

FILE NOTATIONS

Entered in NID File ☒
 Entered On S R Sheet _____
 Location Map Pinned _____
 Card Indexed ☒
 W R for State or Fee Land _____

Checked by Chief _____
 Copy NID to Field Office ☒
 Approval Letter _____
 Disapproval Letter _____

COMPLETION DATA:

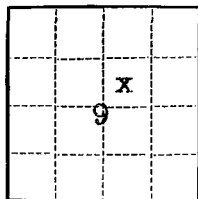
Date Well Completed 12-24-64
 OW ☒ _____ WW _____ TA _____
 GW _____ OS _____ PA _____

Location Inspected _____
 Bond released _____
 State of Fee Land _____

LOGS FILED

Driller's Log 3-24-65
 Electric Logs (No.) 3

E _____ L _____ E-I ☒ GR _____ GR-N _____ Micro ☒
 Lat _____ Mi-L _____ Sonic _____ Others Bond Cement Frag



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Form Approved.

Land Office Utah
Lease No. U-058
Unit White River

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 4, 1964

Well No. 19-9 is located 2019 ft. from [N] line and 1869 ft. from [E] line of sec. 9

SW NE Sec. 9 8S 22E SLB&M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
White River Uintah Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the drick floor above sea level is 5023 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

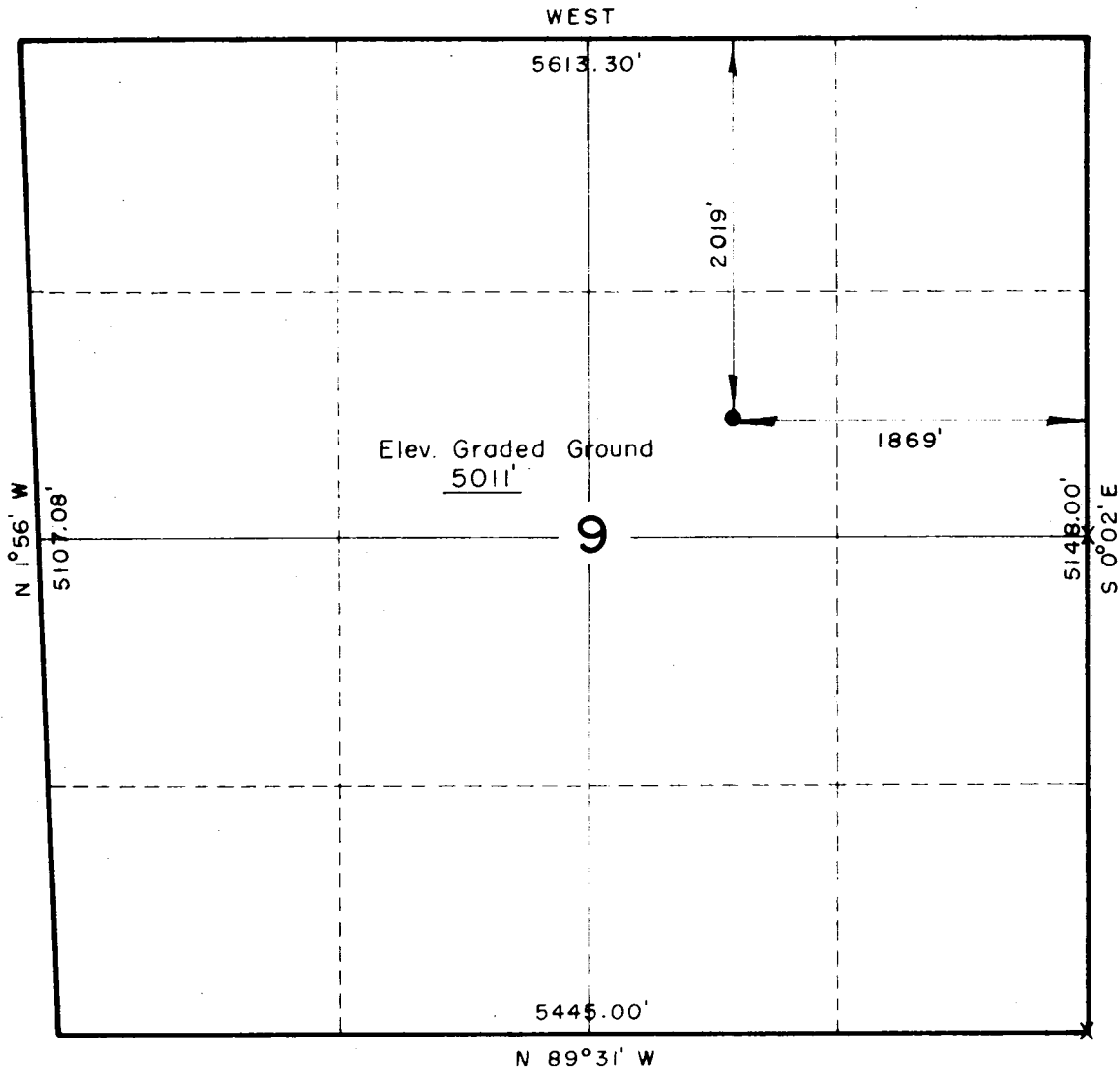
We propose to drill a well at the above location to test the Green River formation to a depth of 5800'. Surface casing will consist of 8 5/8" 24# J-55 set at approximately 200' and cemented to surface. All productive intervals will be tested, and if commercial production is encountered, production casing consisting of 5 1/2" 15.50# J-55 casing will be run and cemented with sufficient cement to cover all productive zones and all water flows.

Verbal approval by Mr. Brown Sept. 30, 1964

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Balco Petroleum Corp.
Address 1803 N. 20th
Grand Junction, Colo.
By A. Frisch
Title Dist. Supt.

T8S, R 22E, SLB&M



X = Corners Located (Brass Caps)

Scale: 1" = 1000'

UINTAH ENGINEERING
& LAND SURVEYING

P. O. Box 380
Vernal, Utah

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Nelson J. Marshall
Registered Land Surveyor
Utah Registration No. 2451

PARTY N. J. Marshall
G. Stewart
T. Wardell

SURVEY
BELCO PETROLEUM CORP. WHITE RIVER UNIT #19-9
WELL LOCATION, LOCATED AS SHOWN IN THE
SW1/4 NE1/4 OF SECTION 9, T8S, R 22 E, SLB&M,
UINTAH COUNTY, UTAH

DATE 8 Oct., 1964
REFERENCES GLO Plat
Approved Sept. 26, 1945

FILE Belco

OIL PRODUCTION

9 NE SE	8S	22E	[REDACTED]	none
9 SW SE	8S	22E	[REDACTED]	none
10 SE NW	8S	22E	[REDACTED]	none
9 SW NE	8S	22E	19-9	Spudded Oct. 5, 1964. Ran 8 5/8" 24# J-55 to 192' KB and cemented to surface with 165 sacks cement. Drilled to 5735' T.D. Ran 5 1/2" 15.5# J-55 to 5727' KB and cemented with 225 sacks around shoe and 100 sacks thru stage collar at 4487'. Released rig Oct. 21, 1964.

10 NE SW 8S [REDACTED]

cc: USGC -2
 OGCOC -2
 NY -2
 Conoco -4
 Calif. -2
 Gulf -2
 Pullin -1
 File -2

CONFIDENTIAL

NOTE.—There were 10,292.97 runs or sales of oil; M cu. ft. of gas sold;

no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329
 (January 1950)

U.S. GOVERNMENT PRINTING OFFICE: 1964-O-729-784

Oct-64

UNITED STATES

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R356.5.

LAND OFFICE UTAH
LEASE NUMBER _____
UNIT WHITE RIVER

LESSEE'S MONTHLY REPORT OF OPERATIONS

State UTAH County UINTAH Field WHITE RIVER

The following is a correct report of operations and production (including drilling and producing wells) for the month of NOVEMBER, 19 64,

Agent's address 304 Main Street, Room 1 Company BELCO PETROLEUM CORP.

Grand Junction, Colorado Signed W. H. Bush

Phone 242-7202 Agent's title District Superintendent

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
9 SWNE	8S	22E	19-9	-0-	-0-		-0-			SHUT IN

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Copy 1/16/64

BELCO PETROLEUM

CORPORATION

XXXXXXXXXX
P. O. BOX 302

XXXXXXXXXXXXXXXXXXXX
BIG PINEY, WYOMING

TELEPHONES: ~~XXXXX~~ 242-7202
5131

304 Main Street, Room 1
Grand Junction, Colorado

January 26, 1965

Mr. Rodney Smith
District Engineer
U. S. Geological Survey
8416 Federal Building
Salt Lake City, Utah

Dear Sir:

Belco Petroleum Corporation hereby releases all information on the
White River Unit wells in Uintah County, Utah.

Thank you for your help and consideration in restricting the infor-
mation on these wells.

Very truly yours,

BELCO PETROLEUM CORPORATION

A. Frisch
A. Frisch
District Superintendent

AF:gl

January 29, 1965

Belco Petroleum Corporation
1803 N. 20th
Grand Junction, Colorado

Re: Well No. White River Unit #19-9,
Sec. 9, T. 8 S., R. 22 E.,
Uintah County, Utah.

Gentlemen:

Our records indicate that you have not filed a Monthly Report of operations for the months of November and December, 1964 for the subject well. Rule C-22(1), General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGCC-1b, (U. S. Geological Survey Form 9-331, "Sundry Notices and Reports on Wells"), or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your immediate attention is required in this matter.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

KATHY G. WARNER
RECORDS CLERK

KGW: sch

Encl: Forms

SAH

BELCO PETROLEUM

CORPORATION

MB

P.O. BOX 1964 304 MAIN STREET
TELEPHONE 242-7202
GRAND JUNCTION, COLORADO 81502

February 1, 1965

Utah Oil & Gas Conservation Commission
348 East South Temple, Suite 301
Salt Lake City, Utah

Attention: Kathy G. Warner, Records Clerk

Gentlemen:

Referring to your letter of January 29, 1965, regarding Monthly Report of Operations for November and December for White River Unit #19-9, Sec. 9, T 8 S, R 22 E, Uintah County, Utah, we wish to advise that this well was shut in during the month of November. The December report was filed on the U. S. G. S. form and should be in your office. If you do not locate this report, please advise and we will be glad to send you additional copies.

Yours very truly,

BELCO PETROLEUM CORPORATION

A. Frisch

A. Frisch
District Superintendent

AF:gl

N.

February 26, 1965

Belco Petroleum Corporation
1803 N. 20th
Grand Junction, Colorado

Attention: Mr. A. Frisch, District Superintendent

Re: Well No. White River Unit
#19-9 - Sec. 9, T. 8 S.,
R. 22 E., Uintah County, Utah

Gentlemen:

This letter is to advise you that the well log and electric and/or radioactivity logs for the above mentioned well are due and have not been filed with this Commission as required by our rules and regulations,

Please complete the enclosed Forms OGCC-3, "Well Completion or Recompletion Report and Log", in duplicate and forward them to this office as soon as possible. If electric and/or radioactivity logs were not run, please make a statement to that effect in order to keep our records accurate and complete.

Thank you for your cooperation in this request.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLARELLA N. PECK
RECORDS CLERK

CNP:ns

Enclosure - Forms

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other _____		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other _____
2. NAME OF OPERATOR BELO PETROLEUM CORPORATION						7. UNIT AGREEMENT NAME WHITE RIVER UNIT	
3. ADDRESS OF OPERATOR _____						8. FARM OR LEASE NAME Sec. 9-T8S-R22E SLEAM	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2019' FNL, 1069' FEL, Sec. 9 At top prod. interval reported below At total depth						9. WELL NO. 10-9	
14. PERMIT NO. _____ DATE ISSUED _____						12. COUNTY OR PARISH Utah	
15. DATE SPUDDED 10-8-64						13. STATE Utah	
16. DATE T.D. REACHED 10-17-64		17. DATE COMPL. (Ready to prod.) 12-24-64		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5011' Gr. 5023' KB		19. ELEV. CASINGHEAD 5011'	
20. TOTAL DEPTH, MD & TVD 5737'		21. PLUG, BACK T.D., MD & TVD 5692'		22. IF MULTIPLE COMPL., HOW MANY* →		23. INTERVALS DRILLED BY 0-5737'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5474-5686' Green River - Oil						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN IEB, Gamma Correlation Cement Sand, Microlog						27. WAS WELL CORED No	
29. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
8-5/8"	24.00	192	13-3/4	165 cu. yd. w/2% CaCl₂		3% Salt	None
8-1/2"	18.5	5726	7-7/8	325 cu. yd. 80-90 Permin w/			None
				24 cu. Salt			
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD		
					SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	5683'	None
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
5678-83' 1/2" - 20 holes				DEPTH INTERVAL (MD)			
5630 1/2" Tandem radial jets - 8 holes				AMOUNT AND KIND OF MATERIAL USED			
5477 & 79' 1/2" Tandem radial jets - 8 holes				5678-83 500 gal. HCA			
				5630 250 gal. HCA			
				5477 & 79 250 gal. HCA			
33.* PRODUCTION							
DATE FIRST PRODUCTION 12-24-64		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping 2 1/2"x2"x36" stroke				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 12-24-64	HOURS TESTED 20	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL. 200	GAS—MCF. 40	WATER—BBL. -0-	GAS-OIL RATIO 200
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL. 200	GAS—MCF. 60	WATER—BBL. -0-	OIL GRAVITY-API (CORR.) 28.6	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented						TEST WITNESSED BY A. Hanfield	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED D. Frisch		TITLE District Superintendent			DATE 3-19-65		

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted; copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals; top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORDED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH

MAR 24 1963

WHITE RIVER #19-9

WELL HISTORY

DST #1 5630-5650' IM 2688, ISI 1985/80 min., IF 119, FF 267/80 min.,
FSI 1976/80 min., FN 2622, gas to surface in 25 min.,
Max. 72 MCF. Res. 644' oil, 110' oil-sat water.

Moved in completion unit on Oct. 26, 1964. Picked up 2-7/8" tubing with
bit and coreper. Drilled stage collar at 4487'. Cleaned out to 5692' KB.
Ran gamma correlation-cement bond log.

Perf. 5678-83' with 4 holes/ft. Ran packer to 5661' and scrubbed with
very little gas ahead of scrub. Acidized with 500 gal. HCl. Scrubbed oil
at rate of 5-8 bbl/hr. Ran DST #2 to obtain SI pressure of 1968 psi/940 min.
shut in.

Perf. 5630' with tandem radial jets (8 holes). Ran packer, with perf.
nipple above packer and blanked off below packer. Set packer at 5661' and
acidized with 250 gal. HCl. Scrubbed 15-20 bbl. oil/hr. Killed well with
salt water, pulled packer and tubing.

Perf. 5477' and 5479' with radial jets (8 holes). Ran cast iron bridge
plug and packer. Set bridge plug at 5524' and packer at 5460'. Acidized
with 250 gal. HCl. Scrubbed 3/4-1 bbl. oil/hr. Pulled tubing and packer,
drilled bridge plug. Ran 2-7/8" tubing to 5683' KB. Scrubbed well, ran rods.

Released completion unit 11-8-64.

3-29-65

Page 1
A

Please attach the enclosed "Sample Description" report showing Log Top to the "Well Completion Report" on the White River Unit #19-9 which was submitted last week.

AC

Thank you.

BELCO PETROLEUM CORP.

PA

He

BELCO PETROLEUM CORPORATION
BIG PINEY DISTRICT
MARCH 20, 1965

WHITE RIVER UNIT #19-9
SECTION 9, T8S, R22E
2090' S/N & 1869' W/E
Uintah County, Utah

ELEVATION: KB 5023'
 GD: 5011'

SAMPLE DESCRIPTION

Log top -
Green River: 2383
Wasatch: NR

FROM	TO	LITHOLOGY
4300'	4379'	Ss, gy-wh-brn, vfn-med, sbang-sbrd, hd & tt to fr por, sli calc, ost in pt, tr stn, no fluor, p cut; sh, gy-brn, hd, dns, dol in pt
4370'	4400'	Sh AA
4400'	4430'	Ss, grdg to sltst gy-buff, cons, hd, sli calc; sh AA
4430'	4480'	Ss, gy-wh-gn, vfn-med, sbang-sbrd, cons to fri, sli calc, no fluor
4480'	4620'	Sltst, brn=gy, hd, cons, sli calc; ss, buff-gy-wh, vfn-slt, ss buff-gy-wh, rd, cons, calc, hd & tt, tr oil stn, dull yel fluor, fr cut
4620'	4700'	Sltst AA w/scat ss AA, sh, brn-gy, gn, rd, hd, dns, calc in pt, slty in pt
4700'	4740'	Sltst, gy-lt-brn, wh, cons, hd & tt, sli calc, tr oil stn, lt yel fluor fr cut
4740'	4770'	Sh AA w/scat sltst AA
4770'	4800'	Sltst, wh-gy-brn, hd, cons, no por, tr oil stn, dull yel fluor, fr cut
4800'	4830'	Sh, brn-gn-gy-rd, hd, brit, sli calc, slty in pt
4830'	4870'	Sltst, buff-wh, cons, hd & tt, scat ost, tr v/weak fluor & stn, p cut
4870'	4950'	Sh, gn-gy-brn, firm, sli calc, slty in pt
4950'	5120'	Sltst, gy-wh-buff, cons, hd & tt, clean, calc, scat stn, fr cut, weak yel fluor, sh AA 35%, scat ost
5120'	5210'	Sh, gy-gn, brn firm, limy, slty, scat ost
5210'	5350'	Sltst, gy-brn, cons, hd & tt, firm, calc
5350'	5400'	Sltst to vfn ss, lt tan-gy, slty, sbang-rd, cons, hd & tt, sh calc, scat yel fluor, p cut
5400'	5470'	Sltst, gy-brn, cons, firm, hd & tt, calc

5470'	5480'	Ss, lt brn-buff, fn-tr med, ang-sbang, cons, cli calc, even stn, bri yel fluor, g cut
5480'	5620'	Sltst AA w/sh, gy, gy-gn, brn, dns, hd, slty
5620'	5650'	Ss, ost & coq, w/15-20% sdy mtrx, ost fn-c, mtrx vfn-fn, ang, sli calc, hd & tt, no perm, dull yel fluor, p cut, tr stn
5650'	5675'	Ss, wh, vfn, ang-sbang, cons, v sli calc
5675'	5685'	Ss, wh, vfn-fn, cons, ang-sbang, v sli calc, bri yel fluor, strming cut, even stn
5685'	5738'	Sltst, gy-wh-buff, cons, calc, hd & tt, no shows

T.D. 5738'

BELCO PETROLEUM CORPORATION
BIG PINEY DISTRICT
MARCH 20, 1965

WHITE RIVER UNIT #19-9
SECTION 9, T8S, R22E
2090' S/N & 1869' W/E
Uintah County, Utah

ELEVATION: KB 5023'
GD: 5011'

SAMPLE DESCRIPTION

Log top -

Green River: 2383

FROM	TO	LITHOLOGY
4300'	4379'	Ss, gy-wh-brn, vfn-med, sbang-sbrd, hd & tt to fr por, sli calc, ost in pt, tr stn, no fluor, p cut; sh, gy-brn, hd, dns, dol in pt
4370'	4400'	Sh AA
4400'	4430'	Ss, grdg to sltst gy-buff, cons, hd, sli calc; sh AA
4430'	4480'	Ss, gy-wh-gn, vfn-med, sbang-sbrd, cons to fri, sli calc, no fluor
4480'	4620'	Sltst, brn-gy, hd, cons, sli calc; ss, buff-gy-wh, vfn-slt, ss buff-gy-wh, rd, cons, calc, hd & tt, tr oil stn, dull yel fluor, fr cut
4620'	4700'	Sltst AA w/scat ss AA, sh, brn-gy, gn, rd, hd, dns, calc in pt, slty in pt
4700'	4740'	Sltst, gy-lt-brn, wh, cons, hd & tt, sli calc, tr oil stn, lt yel fluor fr cut
4740'	4770'	Sh AA w/scat sltst AA
4770'	4800'	Sltst, wh-gy-brn, hd, cons, no por, tr oil stn, dull yel fluor, fr cut
4800'	4830'	Sh, brn-gn-gy-rd, hd, brit, sli calc, slty in pt
4830'	4870'	Sltst, buff-wh, cons, hd & tt, scat ost, tr v/weak fluor & stn, p cut
4870'	4950'	Sh, gn-gy-brn, firm, sli calc, slty in pt
4950'	5120'	Sltst, gy-wh-buff, cons, hd & tt, clean, calc, scat stn, fr cut, weak yel fluor, sh AA 35%, scat ost
5120'	5210'	Sh, gy-gn, brn firm, limy, slty, scat ost
5210'	5350'	Sltst, gy-brn, cons, hd & tt, firm, calc
5350'	5400'	Sltst to vfn ss, lt tan-gy, slty, sbang-rd, cons, hd & tt, sh calc, scat yel fluor, p cut
5400'	5470'	Sltst, gy-brn, cons, firm, hd & tt, calc

5470'	5480'	Ss, lt brn-buff, fn-tr med, ang-sbang, cons, cli calc, even stn, bri yel fluor, g cut
5480'	5620'	Sltst AA w/sh, gy, gy-gn, brn, dns, hd, slty
5620'	5650'	Ss, ost & coq, w/15-20% sdy mtrx, ost fn-c, mtrx vfn-fn, ang, sli calc, hd & tt, no perm, dull yel fluor, p cut, tr stn
5650'	5675'	Ss, wh, vfn, ang-sbang, cons, v sli calc
5675'	5685'	Ss, wh, vfn-fn, cons, ang-sbang, v sli calc, bri yel fluor, strming cut, even stn
5685'	5738'	Sltst, gy-wh-buff, cons, calc, hd & tt, no shows

T.D. 5738'

March 24, 1965

**Belco Petroleum Corporation
1803 N. 20th
Grand Junction, Colorado**

**Re: Well No. White River #19-9,
Sec. 9, T. 8 S., R. 22 E.,
Uintah County, Utah**

Gentlemen:

This letter is to advise you that the "Well Completion or Recompletion Report and Log" for the above mentioned well is due and has not been filed with this Commission as required by our rules and regulations.

Please complete the enclosed Forms OGCC-3, "Well Completion or Re-completion Report and Log", in duplicate and forward them to this office and soon as possible.

Thank you for your cooperation in this request.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

**KATHY G. WARNER
RECORDS CLERK**

kgw

Enclosure: Forms

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
348 EAST SOUTH TEMPLE
SUITE 301
SALT LAKE CITY, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: White River Unit #19-9
304 Main St.
 Operator Belco Petroleum Corp. Address Grand Jct., Colo. Phone 242-7202
 Contractor Exeter Drilling Co. Address Denver, Colo. Phone _____
 Location SW 1/4 NE 1/4 Sec. 9 T. 8S R. 22E U intah County, Utah.
 Water Sands: NONE

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
<u>From</u>	<u>To</u>	<u>Flow Rate or Head</u>	<u>Fresh or Salty</u>
1.			
2.			
3.			
4.			
5.			

(Continued on reverse side if necessary)

Formation Tops:Remarks:

- NOTE: (a) Upon diminishing supply of forms, please inform the Commission
 (b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (See back of form)
 (c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

A

March 26, 1965

HC
PMB

Belco Petroleum Corporation
304 Main Street
Grand Junction, Colorado

Attention: Mr. A. Frisch, District Superintendent

Re: Well No. White River Unit #19-9
Sec. 9, T. 8 S., R. 22 E.,
Uintah County, Utah

Gentlemen:

We are in receipt of your "Well Completion or Recompletion Report and Log", for the above mentioned well. However, upon checking, we find that the formation tops were omitted.

It would be appreciated if we could receive this data as soon as possible.

Thank you.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

KATHY G. WARNER
RECORDS CLERK

kgv

E

NDC 40-30GR cont
5655' PBSD (Green River)
Utah Rental Tool
Belco WI 100%

each run. FL @ end of tour 5200' SN. GR 34.7
@ 60°, 1% BS&W. SDFN.
AFE (comp) \$470,000
CUM cost \$323,052

WORKOVERS

CWU 39-16 (DW-GAS)
Chapita Wells Unit
Uintah County, Utah
6583' PBSD (Wasatch)
MR Well Service
Belco WI 45.57%

Drill out cement. Report #13.
Release 4½" RTTS HOWCO packer, TOH w/packer @
2 3/8" tbg, TIH w/1500' 2 3/8", WOC. SDFN.
AFE (comp) \$49,000
CUM cost \$39,704

GLOBE MONADA GOV'T #4
Gusher Field
Uintah County, Utah
5236' PBSD (Uintah)
Utah Well Service
Belco WI 100%

Swabbing. Report #4.
Swab ¼ bbl water w/tr oil. TOH w/tbg. TIH w/
tbg, and baker model "G" pkr. Set @ 5093' w/
12,000# tension. Btm tbg @ 5160'. Pump 750 gals
7½% HCl acid w/2 gals HAI 55, 18# FE2, 35 gals
parasperse, 2 gals 3-N, 1 gal AS5 & 1 gal Pen-5.
Flush w/30 bbls 3% KCL wtr. Pump rate: Max 4 BPM,
avg 2½, min 1. Pressure: Max 1800 psi, avg 1400
psi, min 1000 psi. SD 15 mins, swab back acid
water & tr crude.
BLR 58 BLR 0
This a.m.: Swab 13 BW tr crude.
CUM cost \$12,559

85225 #9
WRU 19-9 (DW-OIL)
White River Unit
Uintah County, Utah
5692' PBSD (Green River)
NL Well Service
Belco WI 69%

Well pumping. Report #3.
TIH w/new pump torque all rods, seat pump. Press
test w/Hot Oil truck, OK. Start well pumping
@ 12:00 noon.
ROD DETAIL:

125	3/4" Rods
56	7/8" Rods
41	1" Rods
	1" Pups 2-4' 1-6'

Pump Installed: F-39 2½ x 2 x 20 BHD
Pump Taken Out: F-30 2½ x 2 x 12 x 16 BHD
CUM cost \$5683
Daily Cost \$2750

NB 14-30B (DW-GAS)
Natural Buttes Field
Uintah County, Utah
6650' PBSD (Wasatch)
NL Well Service
Belco WI 100%

RU pump & circ well. Report #1.
Move rig on to locaton, RU & install BOP.
AFE (comp) \$180,000
CUM cost \$750

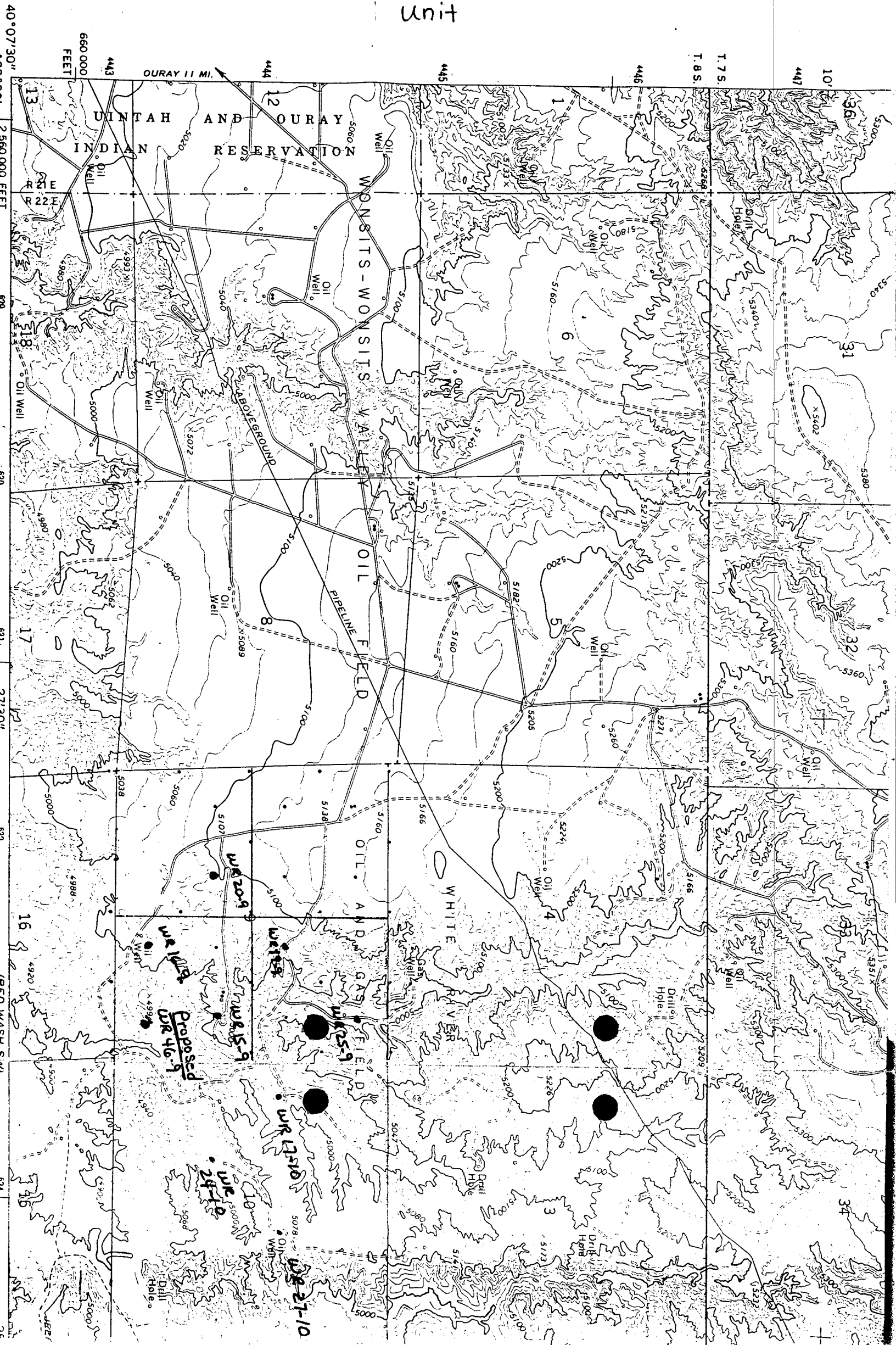
OUTSIDE OPERATED

LOVE UNIT A1-18
Cotton Petroleum Corp
Belco WI 33.33%

12-11-80
0 MCF. Unable to get equipment running, will get
repaired and back on line today.

AREA WELL MAP

White River
Unit



SPED FT./MIN. 30
T.C. SEC. 1.7
DISC. 400
GAIN 110
RANGE 41

← GAIN
SING 2°

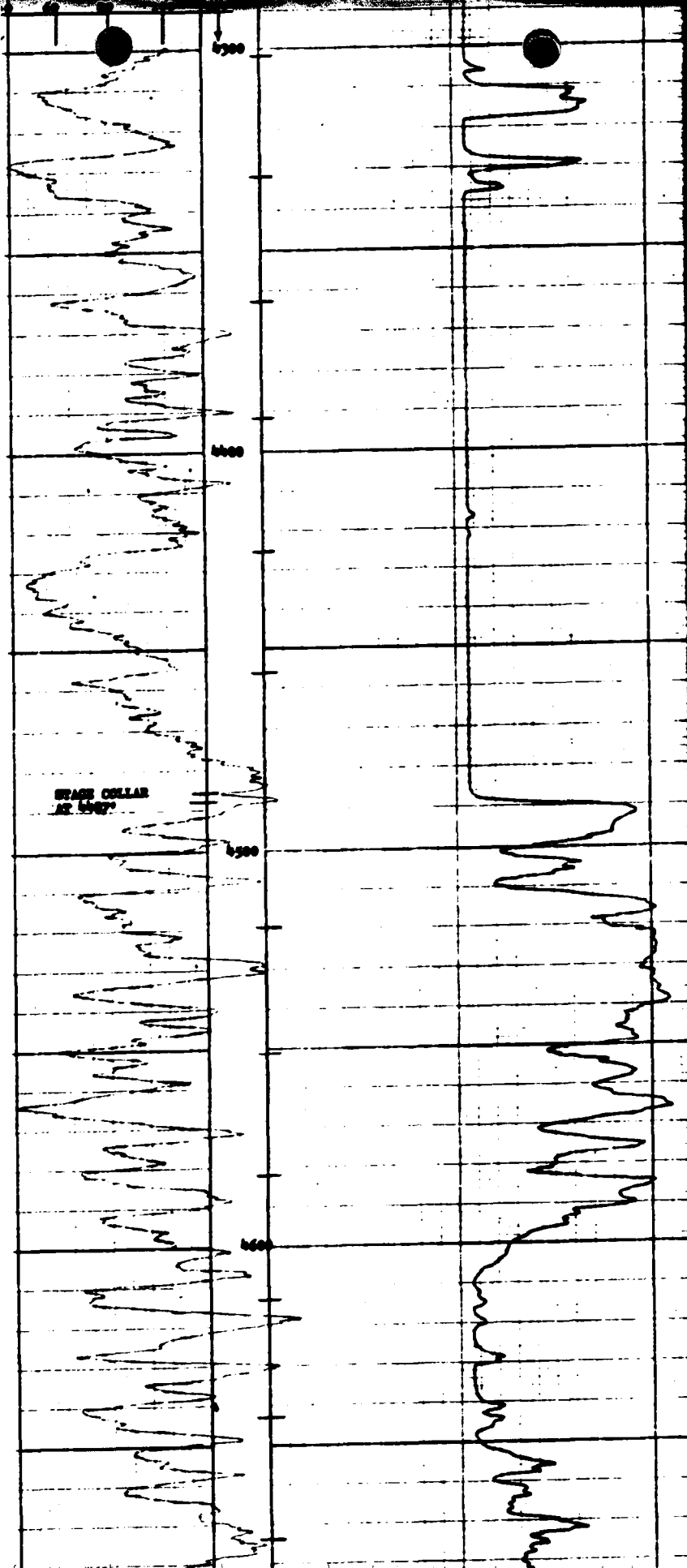
GAIN 41

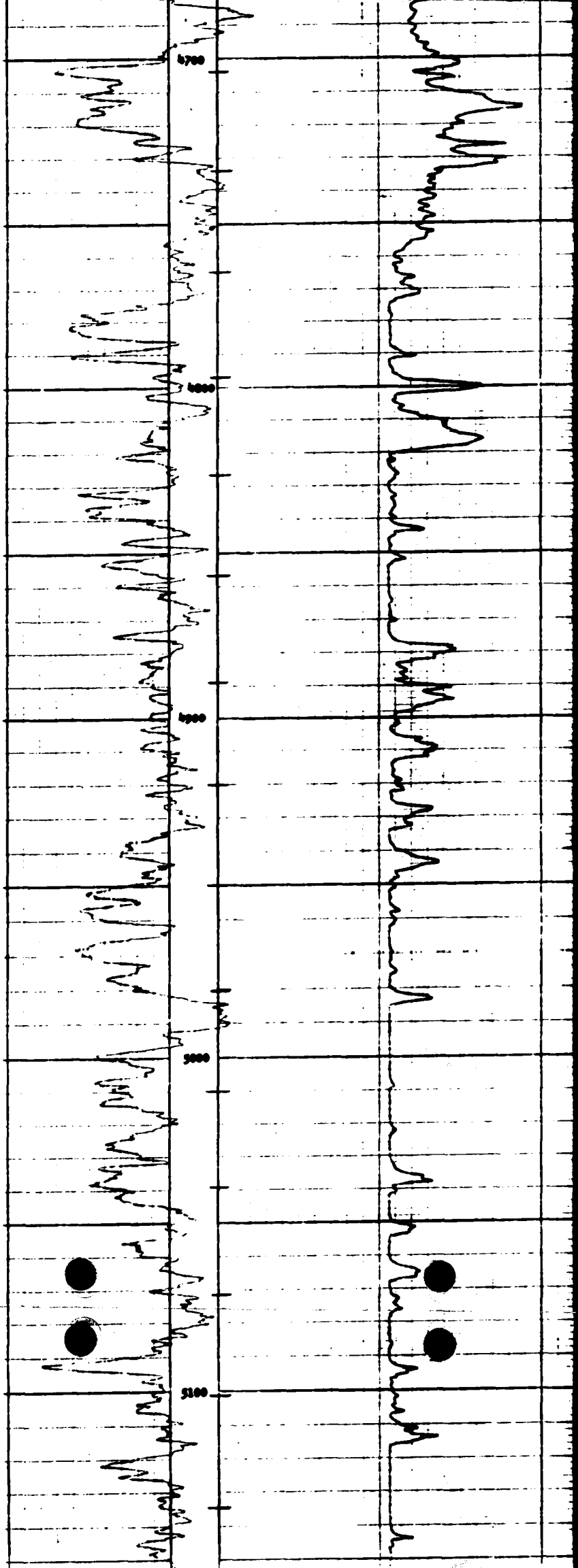
3900

4000

4100

4200





#19-9
IX

M. RANDY HUBER

P.O. Box 275
 Bus: (801) 722-9991
 Radio Dispatch: (801) 722-4501 or (801) 789-4200 Unit 9717

Roosevelt, Utah 84066
 Res: (801) 722-3846

FLOYD H. COLLETT

P.O. Box 275
 Bus: (801) 722-9991
 Radio Dispatch: (801) 722-4501 or (801) 789-4200 Unit 9711

Roosevelt, Utah 84066
 Res: (801) 722-3832

HUCO
CHEMICALS

WATER ANALYSIS REPORT

COMPANY Belnorth ADDRESS Vernal, Utah DATE 4-13-84
 SOURCE W.R.W.F. DATE SAMPLED 4-13-84 ANALYSIS NO. 1007

Analysis

Mg/l (ppm)

*Meq/l

1. PH	<u>7.62</u>		
2. H ₂ S (Qualitative)	<u>19.5</u>		
3. Specific Gravity	<u>1.025</u>		
4. Dissolved Solids	<u>50,680</u>		
5. Suspended Solids			
6. Anaerobic Bacterial Count	<u>1-9</u>	C/MI	
7. Methyl Orange Alkalinity (CaCO ₃)	<u>760</u>		
8. Bicarbonate (HCO ₃)	HCO ₃ <u>930</u>	÷61	<u>15</u> HCO ₃
9. Chlorides (Cl)	Cl <u>30,000</u>	÷35.5	<u>845</u> Cl
10. Sulfates (SO ₄)	SO ₄ <u>100</u>	÷48	<u>2</u> SO ₄
11. Calcium (Ca)	Ca <u>492</u>	÷20	<u>25</u> Ca
12. Magnesium (Mg)	Mg <u>114</u>	÷12.2	<u>9</u> Mg
13. Total Hardness (CaCO ₃)	<u>1,700</u>		
14. Total Iron (Fe)	<u>0.5</u>		
15. Barium (Qualitative)	<u>0.0</u>		
16. Phosphate Residuals	<u>18.5</u>		

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

25	Ca	←	HCO ₃	15
9	Mg	→	SO ₄	2
828	Na	→	Cl	845

Saturation Values

Distilled Water 20°C

Ca CO ₃	13 Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		<u>15</u>		<u>1,215</u>
Ca SO ₄	68.07		<u>2</u>		<u>136</u>
Ca Cl ₂	55.50		<u>8</u>		<u>444</u>
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.62		<u>9</u>		<u>428</u>
Na HCO ₃	84.00				
Na ₂ SO ₄	71.03				
Na Cl	58.46		<u>828</u>		<u>48,404</u>

REMARKS Analysis indicates that a CaCO₃ (Calcium Carbonate) scaling condition exists in this water. This water is treated at the 'B' Battery for scale. Batch treat injection water tank monthly with Corexit 7676 & Corexit 7675 biocides. Alternate 5 gals. per treatment

RECEIVED

JUL 23 1984

DIVISION OF OIL
GAS & MINING



July 19, 1984

State of Utah
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

SUBJECT: Proposed Injection Well
White River Unit
Uintah County, Utah

Attn: Mr. Gilbert Hunt

Belco Development Corporation currently operates the White River Unit located in Sections 9 and 10, T8S, R22E, Uintah County, Utah. Approval is requested to change injection wells. Currently water is being injected into the Greenriver formation through wells WRU 29, 30, and 33. It is proposed to cease injecting water into these wells and convert the WRU 17 and 19 to injection.

Form No. DOGM UIC 1 for these two wells has been completed and is attached. Form UIC 2 is also attached along with a water analysis of the proposed injection fluid. An analysis of fresh water in the area is not submitted as there are no known fresh water wells within one mile. A plat of the wells in the vicinity is also attached. An electric log is not included as it is believed that the State has a log on file. If this is not the case, please advise and a log will be sent. A copy of the application has been sent to the BLM as the landowner.

The following work is necessary for the wells to become injectors.

1. WRU 17 - It is proposed to cement squeeze the perforations at 4349' and pressure test the well casing to 500 psi. A model G Baker packer is to be set in tension just above the Baker Model D packer set at 5519'.
2. WRU 19 - It is proposed to set a CIBP at 5660' to plug off perforations 5678'-83'. Perforations 5477'-79' will be squeezed with cement and casing pressure tested to 500 psi. A Baker model G packer will be set at +5550' in tension.

An early approval would be appreciated as this work will commence upon governmental approval. If there are any questions or additional information required, please contact me at 789-0790 in Vernal.

Very truly yours,

J. C. Ball
District Engineer

JCB/kk

WATER INJECTION

CHECKLIST FOR INJECTION WELL APPLICATION

Belmont
#17, 19

UIC Forms	<u>✓</u>
Plat	<u>✓ lease holders?</u>
Surface Owners and Lease Holders	<u>BLM - lease holders? 1/2 wife</u>
Schematic Diagram	<u>1 wj. depth</u> <u>cont. tps</u>
Frac Gradient Information	<u>? 2000 psi</u>
Pressure and Rate Control	<u>?</u>
Fluid Source	<u>✓</u>
Analysis of Injected Fluid	<u>✓</u>
Geologic Information	<u>✓</u>
USDW in the Area	<u>✓</u>
Analysis of Injected Formation	<u>✓</u>
Contingency Plans	<u>✓</u>
Mechanical Integrity Test	<u>* 500 psi too low should be 1000 psi</u>
Aquifer Exemption	<u>✓</u>

* Can stipulate on approval

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING
ROOM 4241 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
(801) 533-5771
(RULE 1-5)

FORM NO. DOGM-UIC-1

IN THE MATTER OF THE APPLICATION OF
BELCO DEVELOPMENT CORPORATION

ADDRESS P.O. BOX X
VERNAL, UTAH ZIP 84078
INDIVIDUAL PARTNERSHIP CORPORATION X
FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
INJECT FLUID INTO THE WRU #19 WELL
SEC. 9 TWP. 8S RANGE 22E
UINTAH COUNTY, UTAH

CAUSE NO.

ENHANCED RECOVERY INJ. WELL ☒
DISPOSAL WELL ☐

APPLICATION

Comes now the applicant and shows the Division the following:

1. That Rule 1-5 (b) 6 authorizes administrative approval of enhanced recovery injections or disposal operations.
2. That the applicant submits the following information.

Lease Name WHITE RIVER UNIT	Well No. 19-9	Field WHITE RIVER FIELD	County UINTAH
Location of Enhanced Recovery Injection or Disposal Well <u>2019' ENL & 1869' FEL</u> Sec. <u>9</u> Twp. <u>8S</u> Rge <u>22E</u>			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Casing Test Yes <input type="checkbox"/> No <input type="checkbox"/> Date When converted <u> </u>	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>NA</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		State What OIL
Location of Injection Source(s) <u>WHITE RIVER UNIT "B" BATTERY</u> <u>WATERFLOOD, SEC 9, T8S, R22E</u>		Geologic Name(s) and Depth of Source(s) <u>Greenriver</u> <u>4448-94' +5600'</u>	
Geologic Name of Injection Zone <u>Greenriver</u>		Depth of Injection Interval <u>5630</u> to <u>50'</u>	
a. Top of the Perforated Interval: <u>5630'</u>	b. Base of Fresh Water: <u>180'</u>	c. Intervening Thickness (a minus b) <u>5450'</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			
Lithology of Intervening Zones <u>Sand and shale</u>			
Injection Rates and Pressures Maximum <u> </u> <u>500</u> B/D <u> </u> <u>2,000</u> PSI			
The Names and Addresses of Those To Whom Copies of This Application and Attachments Have Been Sent <u>Bureau of Land Management, 170 South 500 East, Vernal, Utah 84078</u>			

State of Utah

County of Uintah

J. C. Ball

Applicant

J. C. Ball

Before me, the undersigned authority, on this day personally appeared J. C. Ball
known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states, that he is duly
authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Suscribed and sworn to before me this 19th day of July, 19 84

SEAL

My commission expires July 29, 1985

Kathy Knutson
Notary Public in and for Uintah County, Utah

(OVER)

1. Attach qualitative and quantitative analysis of fresh water from 2 or more producing wells within 1 mile of injection well showing location of wells and date samples were taken, or statement as to why samples were not submitted.

2. Attach qualitative and quantitative analysis of representative sample of water to be injected.

3. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within ½ mile, together and with name of operator.

4. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division.)

5. Attach Electric or Radioactivity Log of Subject well (if released).

6. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, Intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.

7. The original and 6 copies of application, and one complete set of attachments shall be mailed to the Division.

8. Deliver 1 copy of application to landowner on whose land injection well is located and to each operator of a producing leasehold within ½ mile of injection well.

9. Affidavit of mailing or delivery shall be filed not later than five days after the application is filed.

10. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county in which the well is located. The Division shall file proof of publication before the application is approved. The notice shall include name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application will be approved administratively.

11. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed September 1st, each year.

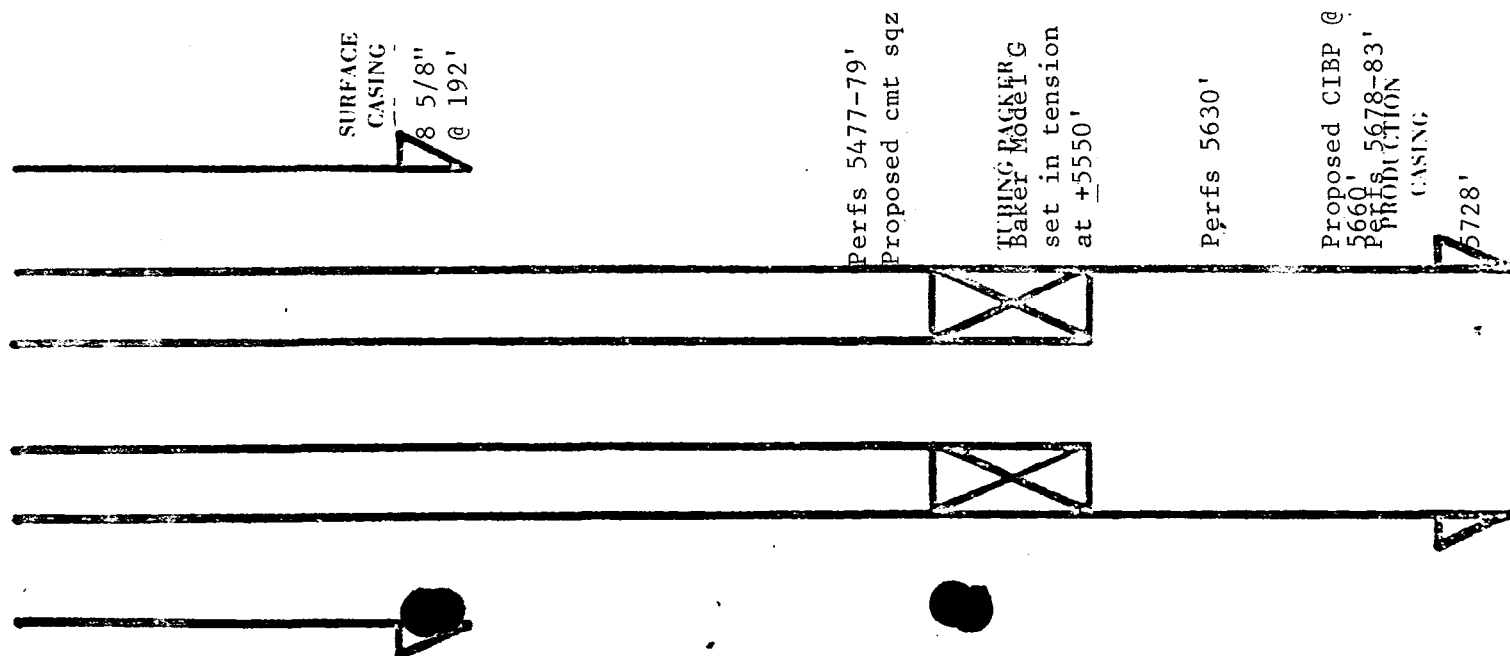
12. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.

13. If there is less intervening thickness required by Rule I-5 (b) 4 attach sworn evidence and data.

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	8 5/8"	192'	165	Surface	Visual Inspection
Intermediate					
Production	5 1/2"	5728'	325	3940'	CBL
Tubing	2 3/8"	5550'	Name - Type - Depth of Tubing Packer 5550' Baker Model "G" set in tension		
Total Depth 5737'	Geologic Name - Inj. Zone Greenriver	Depth - Top of Inj. Interval 5630'	Depth - Base of Inj. Interval 5650'		

SKETCH - SUBSURFACE FACILITY



(To be filed within 30 days after drilling is completed)

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

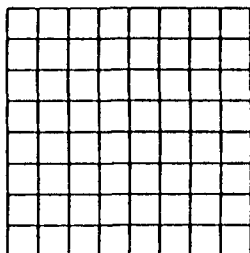
DIVISION OF OIL, GAS, AND MINING

Room 4241 State Office Building

Salt Lake City, Utah 84114

COUNTY Uintah SEC. 9 TWP. 8S RGE. 22ECOMPANY OPERATING Belco Development CorporationOFFICE ADDRESS P.O. Box XTOWN' Vernal STATE Utah ZIP 84078FARM NAME White River WELL NO. 19-9DRILLING STARTED 10/5 1964 DRILLING FINISHED 10/17/1964DATE OF FIRST PRODUCTION 12/24/64 COMPLETED 12/23/64WELL LOCATED ¼ SW ¼ NE ¼3261' FT. FROM SL OF ¼ SEC. & 3411' FT. FROM WL OF ¼ SEC.ELEVATION DERRICK FLOOR 5023' GROUND 5011'

API NO

640 Acres
NLocate Well Correctly
and Outline Lease

TYPE COMPLETION

X

Single Zone _____ Order No. _____

Multiple Zone _____ Order No. _____

Comingled _____ Order No. _____

LOCATION EXCEPTION

OIL OR GAS ZONES

Name	From	To	Name	From	To
Greenriver	5630'	50'			

CASING & CEMENT

Casing Set				Csg. Test	Cement		
Size	Wgt	Grade	Feet	Psi	Sax	Fillup	Top
8 5/8"	24.0#	K-55	192'		165	165	Surface
5 1/2"	15.5#	K-55	5728'		325	1788	3940

TOTAL DEPTH 5728PACKERS SET None at present
DEPTHCOUNTY
LEASE NO.

FORMATION

Greenriver

SPACING & SPACING
ORDER NO.CLASSIFICATION
(Oil; Gas; Dry; Inj. Well)

OIL

PERFORATED

5630-32'

5477-79'

INTERVALS

5678-83'

ACIDIZED?

FRACTURE TREATED?

INITIAL TEST DATA

Date

Oil. bbl./day

Oil Gravity

Gas. Cu. Ft./day

CF

CF

Gas-Oil Ratio Cu. Ft./Bbl.

Water-Bbl./day

Pumping or Flowing

CHOKE SIZE

FLOW TUBING PRESSURE

A record of the formations drilled through, and pertinent remarks are presented on the reverse.
(use reverse side)

I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complete according to the records of this office and to the best of my knowledge and belief.

Telephone 801-789-0790

DISTRICT ENGINEER

Name and title of representative of company

Subscribed and sworn before me this 19th day of July, 19 84

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE APPLICATION : CAUSE NO. UIC-041
OF BELNORTH PETROLEUM CORPORATION,
FOR ADMINISTRATIVE APPROVAL :
TO INJECT WATER INTO CERTAIN WELLS
LOCATED IN THE WHITE RIVER UNIT, :
UINTAH COUNTY, UTAH

---ooOoo---

THE STATE OF UTAH TO ALL INTERESTED PARTIES IN THE ABOVE ENTITLED
MATTER.

Notice is hereby given that Belnorth Petroleum Corporation, P.O. Box
X, Vernal, Utah, 84078, has requested administrative approval from the
Division to convert the wells mentioned below, to enhanced recovery water
injection wells as follows:

Well #17-10

Township 8 South, Range 22 East, Section 10, SW/NE
Injection Interval: Green River Formation 5528' to 5552'

Well #19-9

Township 8 South, Range 22 East, Section 9, SW/NE
Injection Interval: Green River Formation 5630' to 5650'

MAXIMUM INJECTION PRESSURE: 2000 psi
MAXIMUM INJECTION RATE: 500 Barrels per day

This application will be granted unless objections are filed with the
Division of Oil, Gas and Mining within fifteen days after publication of
this Notice. Objections, if any, should be mailed to: Division of Oil,
Gas and Mining, 4241 State Office Building, Salt Lake City, Utah 84114.

DATED this 3rd day of August, 1984.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

Marjorie L. Larson
MARJORIE L. LARSON
Administrative Assistant



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

August 6, 1984

Newspaper Agency
Legal Advertizing
143 South Main
Mezzanine Floor
Salt Lake City, Utah 84111

RE: Cause Nos. 41 & 42

Gentlemen:

Attached hereto is a Notice of Application of Administrative Approval, before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible but no later than the 14th day of August. In the event that said notice cannot be published by this date, please notify this office immediately by calling 533-5771.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 4241 State Office Building, Salt Lake City, Utah 84114.

Very truly yours,
DIVISION OF OIL, GAS AND MINING

MARJORIE L. LARSON
Administrative Assistant



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

August 6, 1984

Vernal Express
Legal Advertizing
Vernal, Utah 84078

RE: Cause Nos. 41 & 42

Gentlemen:

Attached hereto is a Notice of Application of Administrative Approval, before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible but no later than the 14th day of August. In the event that said notice cannot be published by this date, please notify this office immediately by calling 533-5771.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 4241 State Office Building, Salt Lake City, Utah 84114.

Very truly yours,
DIVISION OF OIL, GAS AND MINING

MARJORIE L. LARSON
Administrative Assistant

UIC Cause No. 42

Sent to the following:

Utah State Department of Health
Water Pollution Control
Attn Jerry Riding
150 W.N. Temple
Salt Lake City, Utah 84114

U.S. Environmental Protection
1860 Lincoln Street
ATTN: Mike Strieby
Denver, Colorado 80925

Vernal Express
Legal Advertizing
Vernal, Utah 84078

Newspaper Agency
Legal Advertizin
143 South Main
Mezzanine Floor
Salt Lake City, Utah 84111

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

Bureau of Land Management
Branch of Fluid Minerals
U-(922)
University Club Building
136 East South Temple
Salt Lake City, Utah 84111
ATTN: Ed Gwynn

Belnorth Petroleum Corporation
P O Box X
Vernal, Utah 84078

WATER INJECTION

INJECTION WELL APPLICATION CHECKLIST

COMPANY

Belnorth (~~Belco~~)

WELL #

17 + 19

LOCATION

Sec.

10,9

T.

85

R.

ZZE

DATE RECEIVED

7/23/84

LEGAL/ADMINISTRATIVE

TECHNICAL ADEQUACY

45

PUBLICATION

8-14-84

CARD CHANGE

COMPUTER STATUS

APPROVAL STATUS

9-11-84

DENIAL REMARKS:

Affidavit of Publication

RECEIVED

ADM-35B

AUG 30 1984

STATE OF UTAH,
County of Salt Lake

SS.

DIVISION OF OIL
GAS & MINING

Cheryl Gierloff

CAUSE NO. UIC-041
BEFORE THE DIVISION OF OIL,
GAS AND MINING
DEPARTMENT OF NATURAL
RESOURCES
STATE OF UTAH

IN THE MATTER OF APPLICATION OF BELNORTH PETROLEUM CORPORATION, FOR ADMINISTRATIVE APPROVAL TO INJECT WATER INTO CERTAIN WELLS LOCATED IN THE WHITE RIVER UNIT, UTAH COUNTY, UTAH

THE STATE OF UTAH TO ALL INTERESTED PARTIES IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that Belnorth Petroleum Corporation, P.O. Box X, Vernal, Utah, 84078, has requested administrative approval from the Division to convert the wells mentioned below, to enhanced recovery water injection wells as follows:

Well #17-10
Township 8 South, Range 22 East, Section 10, SW/NE Injection Interval: Green River Formation 5526' to 5552'

Well #19-9
Township 8 South, Range 22 East, Section 9, SW/NE Injection Interval: Green River Formation 5630' to 5650'

MAXIMUM INJECTION PRESSURE: 2000 psi

MAXIMUM INJECTION RATE: 500 Barrels per day

This application will be granted unless objections are filed with the Division of Oil, Gas and Mining within fifteen days after publication of this Notice. Objections, if any, should be mailed to: Division of Oil, Gas and Mining, 4241 State Office Building, Salt Lake City, Utah 84114.

DATED this 3rd day of August, 1984.

STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING
MARJORIE L. LARSON
Administrative Assistant

B-41

Being first duly sworn, deposes and says that he/she is legal advertising clerk of THE SALT LAKE TRIBUNE, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah, and of the DESERET NEWS, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah.

That the legal notice of which a copy is attached hereto

Cause No. UIC-041 - Application of Bellnorth

Petroleum Corp.

was published in said newspaper on

August 13, 1984

Cheryl Gierloff
Legal Advertising Clerk

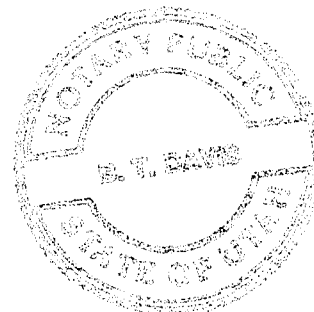
Subscribed and sworn to before me this 29th day of August A.D. 1984

B. J. Davis

Notary Public

My Commission Expires

March 1, 1988



RECEIVED

ADM-35B

AUG 30 1984

Affidavit of Publication

STATE OF UTAH,
County of Salt Lake

SS.

DIVISION OF OIL
GAS & MINING

CAUSE NO. UIC-041
BEFORE THE DIVISION OF OIL,
GAS AND MINING
DEPARTMENT OF NATURAL
RESOURCES
STATE OF UTAH

IN THE MATTER OF APPLICATION OF BELNORTH PETROLEUM CORPORATION, FOR ADMINISTRATIVE APPROVAL TO INJECT WATER INTO CERTAIN WELLS LOCATED IN THE WHITE RIVER UNIT, UTAH COUNTY, UTAH

THE STATE OF UTAH TO ALL INTERESTED PARTIES IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that Belnorth Petroleum Corporation, P.O. Box X, Vernal, Utah, 84078, has requested administrative approval from the Division to convert the wells mentioned below, to enhanced recovery water injection wells as follows:

Well #17-10
Township 8 South, Range 22 East, Section 10, SW/NE Injection Interval: Green River Formation 5528' to 5552'

Well #19-9
Township 8 South, Range 22 East, Section 9, SW/NE Injection Interval: Green River Formation 5630' to 5650'

MAXIMUM INJECTION PRESSURE: 2000 psi

MAXIMUM INJECTION RATE: 500 Barrels per day

This application will be granted unless objections are filed with the Division of Oil, Gas and Mining within fifteen days after publication of this Notice. Objections, if any, should be mailed to: Division of Oil, Gas and Mining, 4241 State Office Building, Salt Lake City, Utah 84114.

DATED this 3rd day of August, 1984.

STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING
MARJORIE L. LARSON
Administrative Assistant

B-41

Cheryl Gierloff

Being first duly sworn, deposes and says that he/she is legal advertising clerk of THE SALT LAKE TRIBUNE, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah, and of the DESERET NEWS, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah.

That the legal notice of which a copy is attached hereto

Cause No. UIC-041 - Application of Bellnorth

Petroleum Corp.

was published in said newspaper on

August 13, 1984

Cheryl Gierloff
Legal Advertising Clerk

Subscribed and sworn to before me this 29th day of

August

A.D. 1984

Bea L. India

Notary Public

My Commission Expires

March 1, 1988



Affidavit of Publication

RECEIVED

ADM-35B

AUG 30 1984

STATE OF UTAH,
County of Salt Lake

SS.

DIVISION OF OIL
GAS & MINING

CAUSE NO. UIC-042
BEFORE THE DIVISION OF
OIL, GAS AND MINING
DEPARTMENT OF NATURAL
RESOURCES OF
STATE OF UTAH

IN THE MATTER OF THE AP-
PLICATION OF EXXON COR-
PORATION FOR ADMINISTRA-
TIVE APPROVAL TO INJECT
WATER INTO WELL NO. 63
WALKER HOLLOW UNIT, SEC-
TION 1, TOWNSHIP 7 SOUTH,
RANGE 23 EAST, UINTAH
COUNTY, UTAH

THE STATE OF UTAH TO
ALL INTERESTED PARTIES IN
THE ABOVE ENTITLED MAT-
TER.

Notice is hereby given that
Exxon Corporation, P.O. Box
1600, Midland, Texas, 79702,
has requested administrative
approval from the Division to
convert the No. 63 Walker Hol-
low Unit, located in the SW1/4
NW1/4, Section 1, Township 7
South, Range 23 East, Uintah
County, Utah to an enhanced
recovery water injection well
as follows:

INJECTION INTERVAL: Green
River Formation 4832' to 5504'
MAXIMUM INJECTION PRES-
SURE: 2000 psi
MAXIMUM INJECTION RATE:
2000 Barrels per day

This application will be granted
unless objections are filed with
the Division of Oil, Gas and Min-
ing within fifteen days after
publication of this Notice. Ob-
jections, if any, should be
mailed to: Division of Oil, Gas
and Mining, 4241 State Office
Building, Salt Lake City, Utah
84114.

DATED this 3rd day of Au-
gust, 1984.

STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING
MARJORIE L. LARSON
Administrative Assistant

B-38

Cheryl Gierloff

Being first duly sworn, deposes and says that he/she is legal advertising clerk of THE SALT LAKE TRIBUNE, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah, and of the DESERET NEWS, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah.

That the legal notice of which a copy is attached hereto

Cause No. UIC-042 - Application of Exxon

Corporation

was published in said newspaper on

August 13, 1984

Cheryl Gierloff
Legal Advertising Clerk

Subscribed and sworn to before me this 29th day of

August A.D. 1984

Notary Public

My Commission Expires

March 1, 1988



RECEIVED

ADM-358

AUG 10 1984

Affidavit of Publication

STATE OF UTAH,
County of Salt Lake

SS.

DIVISION OF OIL
GAS & MINING

..... Cheryl Gierloff

CAUSE NO. UIC-042
BEFORE THE DIVISION OF
OIL, GAS AND MINING
DEPARTMENT OF NATURAL
RESOURCES OF
STATE OF UTAH
IN THE MATTER OF THE AP-
PLICATION OF EXXON COR-
PORATION FOR ADMINISTRA-
TIVE APPROVAL TO INJECT
WATER INTO WELL NO. 63
WALKER HOLLOW UNIT, SEC-
TION 1, TOWNSHIP 7 SOUTH,
RANGE 23 EAST, UTAH
COUNTY, UTAH
THE STATE OF UTAH TO
ALL INTERESTED PARTIES IN
THE ABOVE ENTITLED MAT-
TER.
Notice is hereby given that
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1600, Midland, Texas, 79702,
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low Unit, located in the SW1/4
NW1/4, Section 1, Township 7
South, Range 23 East, Uintah
County, Utah to an enhanced
recovery water injection well
as follows:
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River Formation 4832' to 5504'
MAXIMUM INJECTION PRES-
SURE: 2000 psi
MAXIMUM INJECTION RATE:
2000 Barrels per day
This application will be granted
unless objections are filed with
the Division of Oil, Gas and Min-
ing within fifteen days after
publication of this Notice. Ob-
jections, if any, should be
mailed to: Division of Oil, Gas
and Mining, 4241 State Office
Building, Salt Lake City, Utah
84114.
DATED this 3rd day of Au-
gust, 1984.
STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING
MARJORIE L. LARSON
Administrative Assistant
B-38

Being first duly sworn, deposes and says that he/she is
legal advertising clerk of THE SALT LAKE TRIBUNE,
a daily newspaper printed in the English language with
general circulation in Utah, and published in Salt Lake
City, Salt Lake County, in the State of Utah, and of the
DESERET NEWS, a daily newspaper printed in the
English language with general circulation in Utah, and
published in Salt Lake City, Salt Lake County, in the
State of Utah.

That the legal notice of which a copy is attached hereto

..... Cause No. UIC-042 - Application of Exxon

..... Corporation

was published in said newspaper on

..... August 13, 1984

Cheryl Gierloff
Legal Advertising Clerk

Subscribed and sworn to before me this 29th day of
August A.D. 1984

L. J. Davis
Notary Public

My Commission Expires

..... March 1, 1983





STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

September 8, 1984

Belnorth Petroleum Corporation
P.O. Box X
Vernal, Utah 84078

Gentlemen:

RE: Injection Well Approval - Cause No. UIC-041

White River Unit Well No. 17-10
Section 10, T8S, R22E, Uintah County, Utah

White River Unit Well No. 19-9
Section 9, T8S, R22E, Uintah County, Utah

Administrative approval is hereby granted to convert the above referenced wells to enhanced recovery water injection wells. This approval is conditional upon full compliance with the UIC rules and regulations adopted by the Board of Oil, Gas and Mining, and construction and operation of the well as outlined in the application submitted.

If you have any questions concerning this matter, please do not hesitate to call or write.

Best Regards,

Dianne R. Nielson
Director

DN/CBF/mfp
010



RECEIVED
DEC 06 1984

DIVISION OF
OIL, GAS & MINING

December 5, 1984

Bureau of Land Management
Vernal District
170 South 500 East
Vernal, Utah 84078

SUBJECT: Well Recompletion Report
White River Unit 19-9

Gentlemen:

Attached, for your files, is the Recompletion Report on the above subject well. This well was converted from a shut in oil well to a greenriver water injection well. This well is currently shut in awaiting surface equipment.

Very truly yours,

Kathy Knutson
Engineering Clerk

/kk
attachments

cc: Division of Oil, Gas & Mining
Houston(P. Darras; S. Johnson; files)
Denver
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other <u>INJECTOR</u>		
b. TYPE OF COMPLETION:		NEW WELL <input type="checkbox"/>	WORK OVER <input checked="" type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESV. <input type="checkbox"/>	Other <input type="checkbox"/>
2. NAME OF OPERATOR BELCO DEVELOPMENT CORPORATION						9. WELL NO. 19-9	
3. ADDRESS OF OPERATOR P.O. BOX X, VERNAL, UTAH 84078						10. FIELD AND POOL, OR WILDCAT	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 2019' FNL & 1869' FEL At top prod. interval reported below At total depth						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SEC 9, T8S, R22E	
14. PERMIT NO. 43-047-15083				DATE ISSUED DEC 06 1984			
15. DATE SPUDDED 10-5-64		16. DATE T.D. REACHED 10-17-64		17. DATE COMPL. (Ready to prod.) 12-05-84 (INJ)		18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 5011' NGL	
20. TOTAL DEPTH, MD & TVD 5737'		21. PLUG, BACK T.D., MD & TVD 5673'		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY ALL	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5624-50' K _f sands Greenriver						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN N/A						27. WAS WELL CORED	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
8 5/8"		24.0#		192'		13 3/4"	
5 1/2"		15.5#		5728'		7 7/8"	
29. LINER RECORD				30. TUBING RECORD			
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
N/A							
31. PERFORATION RECORD (Interval, size and number) 5614-50' 2 SPF 52 holes total CIBP set @ 5673'				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
				5624-50'		75 sx "G" cmt & 40 BW @ 3 BPM squeeze @ 2500 psi	
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>J. A. Bell</u>		TITLE <u>District Engineer</u>				DATE <u>12-5-84</u>	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Greenriver	2400'	

ENRON
Oil & Gas Company

#19 Sec. 9 T8S R22E

P.O. Box X, Vernal, Utah 84078, Telephone (801) 789-0790

February 16, 1987

State of Utah
Division of Oil, Gas & Mining
355 W. North Temple
Salt Lake City, Utah

RECEIVED
FEB 20 1987

Attention: Ron Firth

DIVISION OF
OIL, GAS & MINING

Dear Mr. Firth:

This is to advise that Enron Oil and Gas has acquired the assets of the following companies:

Belco Development Corporation
Belco Petroleum - North America, Inc.
BelNorth Energy Corporation
BelNorth Petroleum Corporation
FEC Offshore Inventory Company
Florida Exploration Company
HNG Exploration Company
HNG Fossil Fuels Company
HNG Oil Company
HNG Oil (Sumatra) Inc.
IN Holdings, Inc.
InterNorth Exploration and Production Division
Ocelot Oil Company
Smitheastern Exploration Company

It is requested that all leases and well names be changed to reflect the new names. A list of affected lease numbers and well names is attached. Also, the bonding should be transferred to Enron Oil and Gas. Enron Oil and Gas Company, A Delaware Corporation, is wholly owned by Enron Corporation.

It is requested that 90 days be granted to have all the wells signs changed.

Also, attached is legal evidence of this ownership. If there are any questions or other information is needed please contact J. C. Ball at 789-0790 in the Vernal Office.

Sincerely yours,



J. C. Ball

District Superintendent

JCB:jl

cc A. C. Morris
D. Weaver
File
J. C. Ball
D. Wright

Part of the Enron Group of Energy Companies

WHITE RIVER UNIT

<u>WELL #</u>	<u>LEASE #</u>	<u>SECTION</u>	<u>TOWNSHIP</u>	<u>RANGE</u>
"B"	U02510A			
3	UTAH 0629	25	8S	22E
15	UTAH 058	9	8S	22E
16	UTAH 058	9	8S	22E
17X	UTAH 029649	10	8S	22E
19X	UTAH 0971	9	8S	22E
20	UTAH 058	9	8S	22E
24	UTAH 058	10	8S	22E
25	UTAH 0971	9	8S	22E
27	UTAH 029649	10	8S	22E
29X	UTAH 02510A	3	8S	22E
30X	UTAH 02510A	3	8S	22E
31X	UTAH 02510A	4	8S	22E
33X	UTAH 02510A	3	8S	22E
43	ML 22049	16	8S	22E
45	ML 22049	16	8S	22E
46	U 43915	9	8S	22E
47	U 43915	10	8S	22E

STAGECOACH UNIT

1	UTAH ML 3085	32	8S	22E
2	UTAH 0803	28	8S	21E
3	UTAH 0283	8	9S	22E
6	INDIAN 14-20-462-448	20	9S	21E
10-23	UTAH 025963	23	8S	21E
11-22X	UTAH 025960	22	8S	21E
12-23X	UTAH 025963	23	8S	21E
14-34	U 9613	34	8S	21E
15-27	U 0803	27	8S	21E
18-17	PATENTED	17	9S	22E
19-33	U 9613	33	8S	21E
21-8	U 0283	8	9S	22E
23-21 FED	U 025960	21	8S	21E
22-17	INDIAN 14-20-462-448	17	9S	22E

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>W/V</u>		3. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Flying J Exploration and Production, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 2906 First Avenue North, Billings, MT 59101		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME
14. API NUMBER See Below		9. WELL NO. See Below
15. ELEVATIONS (Show whether dr, st, or, etc.)		10. FIELD AND POOL, OR WILDCAT White River, GRRV
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA T8S, R22E
		12. COUNTY OR PARISH 13. STATE Uintah Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SMOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>CHANGE OF OPERATOR</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

OLD OPERATOR

Enron Oil & Gas Co.
P.O. Box 1815
Vernal, UT 84078
(801) 789-0790

NEW OPERATOR

Flying J Exploration and Production, Inc.
2906 First Avenue North
Billings, MT 59101
(406) 252-5136

Flying J Exploration and Production, Inc. will commence all reporting responsibilities on the following wells effective 4-1-89:

WELL NAME	API NUMBER	WELL NAME	API NUMBER
15-9	4304715080	25-9	4304715087
16-9	4304715081	31-4	4304715090
17-10	4304715082	43-16	4304731354
19-9	4304715083	45-16	4304731399
20-9	4304715084	46-9	4304731481
24-10	4304715085	47-10	4304731561
27-10	4305715086		

18. I hereby certify that the foregoing is true and correct

SIGNED

James W. W.

TITLE Operations Manager

DATE

4-26-89

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

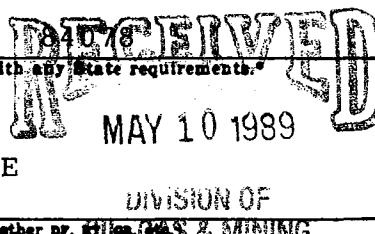
STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(0 instructions on
the side)

(w/w)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Water Injection		5. LEASE DESIGNATION AND SERIAL NO. Ut-0971
2. NAME OF OPERATOR ENRON OIL & GAS CO.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. BOX 1815, VERNAL, UTAH		7. UNIT AGREEMENT NAME White River
4. LOCATION OF WELL (Report location clearly and in accordance with any state requirements. See also space 17 below.) At surface 2,019' FNL & 1,869' FEL SW/NE		8. FARM OR LEASE NAME White River
14. PERMIT NO. 430-47-15083		9. WELL NO. 19-9
15. ELEVATIONS (Show whether DF, etc.) 5,011' NGL		10. FIELD AND POOL, OR WILDCAT
<div style="text-align: center;">  </div>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 9. T8S, R22E
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		12. COUNTY OR PARISH Uintah
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*		13. STATE Utah

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <u>Sell of property</u> <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Enron Oil & Gas Co. sold this well to Flying J Exploration Sept. 1, 1988.

18. I hereby certify that the foregoing is true and correct

SIGNED Linda L. Pugh TITLE Sr. Admin. Clerk DATE 5/8/89

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
JUN 09 1989

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

DIVISION OF
OIL, GAS & MINING

Well name and number: White River 19-9
Field or Unit name: White River API no. 430-47-15083
Well location: QQ SW/NE section 9 township 8S range 22E county Uintah
Effective Date of Transfer: 9/1/88

CURRENT OPERATOR

Transfer approved by:

Name Creg Bowthorpe Company Enron Oil & Gas Co.
Signature Creg Bowthorpe Address P.O. Box 1815
Title Production Foreman Vernal, Utah 84078
Date June 1, 1989 Phone (801) 789-0790

Comments:

NEW OPERATOR

Transfer approved by:

Name James W. Wilson Company Flying J Exploration & Production
Signature James W. Wilson Address 2906 First Avenue North
Title Operations Manager Billings, MT 59101
Date June 8, 1989 Phone (406) 252-5136

Comments:

(State use only)

Transfer approved by A. Hunt Title UIC Manager
Approval Date * 6-13-89

* This approval is conditioned on the new operator meeting the bonding requirements of rule R615-3-1, Oil and Gas Conservation General Rules.



Norman H. Bangertter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

July 3, 1989

Mr. Jim Wilson
Flying J Exploration and Production Inc.
2906 First Avenue North
Billings, Montana 59101

Dear Mr. Wilson:

Re: Mechanical Integrity Pressure Tests on the White River Unit No. 17 and 19 Wells, Section 9 and 10, Township 8 South, Range 22 East, Uintah County, Utah

On June 13, 1989, pressure testing operations were conducted on the referenced wells to determine mechanical integrity. The testing was witnessed by Mr. Dan Jarvis of the Division and Mr. Cary Smith of Applied Drilling Services, acting as representative for Flying J Exploration and Production Inc.

Results of the pressure tests indicate that the packer and tubing demonstrate mechanical integrity, however, a pressure bleed off occurred on the casing/tubing annulus under shut in conditions which indicates a possible leak in the 5 1/2" production casing above the packer. The casing leak could present a pollution problem should the tubing or packer fail.

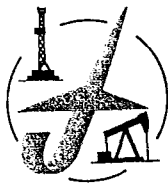
The Division requests that Flying J Exploration and Production Incorporated submit a proposal within 15 days of receiving this letter outlining procedures to repair the wells. It is also requested that until the repairs are made, the casing/tubing annulus of each well be monitored monthly and reported on the monthly injection report.

If you have any questions regarding this matter feel free to call me or Dan at (801) 538-5340.

Sincerely,

Gil Hunt
UIC Program Manager

cc: Cary Smith
U11/118



FLYING J EXPLORATION and PRODUCTION, INC.

2906 FIRST AVE. NORTH - BILLINGS, MONTANA 59101
(406) 252-5136

RECEIVED
JUL 20 1989

July 11, 1989

DIVISION OF
OIL, GAS & MINING

Mr. Gil Hunt
Dept. of Natural Resource
Division of Oil, Gas and Mining, State of Utah
355 West North Temple
Salt Lake City, UT 84180-1203

RE: Mechanical Integrity Pressure Tests on the White River Unit
No. 17-10 and 19-9 Wells, White River Unit, Uintah County, Utah

Dear Mr. Hunt:

Flying J Exploration and Production, Inc. states the underlying facts and proposes the following procedures concerning the casing leaks on the above mentioned wells:

- 1) On 6-13-89 tests were conducted on each of the above wells which demonstrated the mechanical integrity of the injection packer such that isolation of the tubing and casing/tubing annulus was confirmed.
- 2) Pressure testing of the casing/tubing annulus indicated slow casing leaks under pressure in each of the wells.
- 3) Flying J proposes that tubing and casing/tubing annulus pressures be monitored on a daily basis.
- 4) If pressures on the casing/tubing annulus are monitored relative to pressures on the tubing, such that significant casing leaks and tubing to casing/tubing annulus leaks can be readily identified, then no further action will be taken at this time.

In conclusion, it appears from the test data that any significant casing leaks occur only when higher pressures are exerted on the casing.

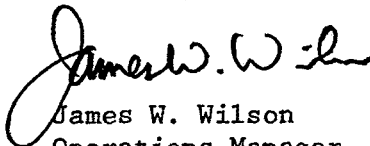
page 2

FLYING J EXPLORATION & PRODUCTION

We believe that monitoring the wells as outlined above will avoid any unnecessary expenditures but at the same time will indicate any real problems which may require remedial work.

If you wish to discuss this matter further, feel free to call me at (406)252-5136.

Sincerely,

A handwritten signature in cursive script, appearing to read "James W. Wilson".

James W. Wilson
Operations Manager

JWW/mbg

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. ☐ OIL WELL ☐ GAS WELL ☐ OTHER

2. NAME OF OPERATOR
Flying J. Inc

3. ADDRESS OF OPERATOR
PO Drawer 130 Ballard, Utah 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
Injection pump & tanks for 17-10 & 19-9 in Section Wells

14. PERMIT NO.

15. ELEVATIONS (Show whether SF, RT, OR, etc.)

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5. LEASE DESIGNATION AND SERIAL NO.
U-09-71

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
White River

8. FARM OR LEASE NAME
Whiteriver Unit

9. WELL NO.
Injection facility for White-river unit

10. FIELD AND POOL, OR WILDCAT
Wansit Valley G.R.

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEc. 9 T8S R22 E

12. COUNTY OR PARISH
UIntah

13. STATE
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other) Formation Wtr Spill	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input checked="" type="checkbox"/>

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

On 12-4-89 approximately 20 Bbls of wtr and 3 gallons of crude oil overflowed out of an overflow tank on the above location. See attached spill report

UIC

GLH	<input checked="" type="checkbox"/>
DJM	<input checked="" type="checkbox"/>
BGH	<input type="checkbox"/>
COMPUTER	<input type="checkbox"/>
MICROFILM	<input type="checkbox"/>
FILE	<input type="checkbox"/>

OIL AND GAS

GLH	<input checked="" type="checkbox"/>
SLS	<input type="checkbox"/>
1-JLK	<input type="checkbox"/>
MICROFILM	<input type="checkbox"/>
FILE	<input type="checkbox"/>

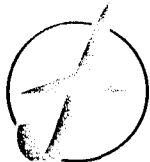
18. I hereby certify that the foregoing is true and correct

SIGNED Charles C. Paulson TITLE District Supervisor DATE 1-4-90

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



FLYING J INC.

P.O. DRAWER 130 — BALLARD, UTAH 84066
PHONE (801) 722-5169 5166

SPILL REPORT

RECEIVED
JAN 12 1990

DIVISION OF
OIL, GAS & MINING

1. Time & date spill occurred 12-4-89
Time & date spill discovered 9:00 am 12-4-89
By whom David Richens
2. Location of spill (Specify the following)
 - A. Lease name White River Unit B-Battery Triplex
 - B. Field name Wansit Valley
 - C. Distance and direction from nearest producing well or injection well 400 Yards
 - D. Quarter-quarter section and section number Nw/SW Sec 9
 - E. Township and range T8S - R22E
 - F. County and state Uintah County, Utah
3. Amount and nature of spilled material Approximately 3 gal crude oil with approximately 20 bbls water
Amount recoverable All Crude recovered
4. Distance from closest public water supply reached by spill, and name of the community Vernal. Approximately 28 miles.
5. Distance from any known private water supply, or livestock watering source, in immediate area None
6. Distance from nearest stream or lake Green River - 8 miles
7. Status of containment Fire Burn
Time required to control N/A
8. Statement as to whether spilled fluid has reached, or can reach, a stream or water supply; and whether livestock, other property, or wildlife are endangered No
9. Cleanup procedures being used (or to be used) and status of cleanup
Backhoe, shovels - Its cleaned up!
10. Estimate of when cleanup will be completed Done
11. Cause of spill (Specify the following)
 - A. Make or manufacturer Charge Pump
 - B. Size 5hp
 - C. Working pressure 60 lbs
 - D. Test pressure
 - E. Date of installation 12-6-89
 - F. Type of use
 - G. Physical Damage
 - H. How the spill occurred Pump went out & Triplex didn't pump & filled tanks & ran out of overflow
12. Corrective measures to be taken, or recommended, to prevent recurrence
Emptied overflow tank & rebuilt charge pump
13. Follow up information to be submitted:
 - A. Date cleanup completed 12-8-89
 - B. Cost of cleanup \$300.00

Remarks



A Procter & Gamble Co.

P.O. Box 217
Roosevelt, Utah 84066

Office (801) 722-5066
Fax (801) 722-5727

WATER ANALYSIS REPORT

COMPANY FLYING J. EXPLORATION ADDRESS _____ DATE: _____
SOURCE WRU 17-10 injection water DATE SAMPLED 6-24 ANALYSIS NO. _____

	Analysis	Mg/l (ppm)	*Meq/l
1. PH	<u>8.0</u>		
2. H ₂ S (Qualitative)	<u>.5</u>		
3. Specific Gravity	<u>1.029</u>		
4. Dissolved Solids		<u>37,394</u>	
5. Suspended Solids			
6. Anaerobic Bacterial Count	<u>CI</u>	<u>C/MI</u>	
7. Methyl Orange Alkalinity (CaCO ₃)			
8. Bicarbonate (HCO ₃)		<u>360</u>	<u>6</u>
9. Chlorides (Cl)		<u>22,500</u>	<u>634</u>
10. Sulfates (SO ₄)		<u>0</u>	<u>0</u>
11. Calcium (Ca)		<u>520</u>	<u>26</u>
12. Magnesium (Mg)		<u>122</u>	<u>10</u>
13. Total Hardness (CaCO ₃)		<u>1,800</u>	
14. Total Iron (Fe)			
15. Barium (Qualitative)		<u>40</u>	
16. Phosphate Residuals			

*MHU equivalents per liter

PROBABLE MINERAL COMPOSITION

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		6		486
Ca SO ₄	68.07				
Ca Cl ₂	55.50		20		1110
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.62		10		476
Na HCO ₃	84.00				
Na ₂ SO ₄	71.03				
Na Cl	58.46		604		35,310

Saturation Values

Distilled Water 20°C

Ca CO₃ 13 Mg/l

Ca SO₄ · 2H₂O 2,090 Mg/l

Mg CO₃ 103 Mg/l

REMARKS _____



A Procter & Gamble Co.

P.O. Box 217
Roosevelt, Utah 84066

Office (801) 722-5066
Fax (801) 722-5727

WATER ANALYSIS REPORT

COMPANY FLYING J. EXPLORATION ADDRESS _____ DATE: _____

SOURCE WRV 17-10 DATE SAMPLED 6-24-92 ANALYSIS NO. _____

water flowing from 8 5/8" surface pipe

	Mg/l (ppm)	*Meq/l
1. PH	8.5	
2. H ₂ S (Qualitative)	1.5	
3. Specific Gravity	1.001	
4. Dissolved Solids	2673	
5. Suspended Solids		
6. Anaerobic Bacterial Count	CI	C/MI
7. Methyl Orange Alkalinity (CaCO ₃)	360	
8. Bicarbonate (HCO ₃)	360	÷61 6 HCO ₃
9. Chlorides (Cl)	250	÷35.5 7 Cl
10. Sulfates (SO ₄)	1200	÷48 25 SO ₄
11. Calcium (Ca)	28	÷20 1 Ca
12. Magnesium (Mg)	7	÷12.2 1 Mg
13. Total Hardness (CaCO ₃)	100	
14. Total Iron (Fe)	4.5	
15. Barium (Qualitative)		
16. Phosphate Residuals		

*MMU equivalents per liter

PROBABLE MINERAL COMPOSITION

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		1		81
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17		1		73
Mg SO ₄	60.19				
Mg Cl ₂	47.82				
Na HCO ₃	84.00		4		336
Na ₂ SO ₄	71.03		25		1775
Na Cl	58.46		7		409

Saturation Values

Distilled Water 20°C

Ca CO₃ 13 Mg/l

Ca SO₄ · 2H₂O 2,090 Mg/l

Mg CO₃ 103 Mg/l

REMARKS _____

WATER ANALYSIS REPORT

COMPANY FLYING J. EXPLORATION ADDRESS _____ DATE: _____
SOURCE WRU 17-10 DATE SAMPLED 6-26-92 ANALYSIS NO. _____

	Analysis	Mg/l (ppm)	*Meq/l
1. PH	<u>7.6</u>		
2. H ₂ S (Qualitative)	<u>1.5</u>		
3. Specific Gravity	<u>1.001</u>		
4. Dissolved Solids		<u>8115</u>	
5. Suspended Solids			
6. Anaerobic Bacterial Count	<u>CI</u>	C/MI	
7. Methyl Orange Alkalinity (CaCO ₃)			
8. Bicarbonate (HCO ₃)		<u>460</u> ÷ 61 <u>8</u>	HCO ₃
9. Chlorides (Cl)		<u>4000</u> ÷ 35.5 <u>113</u>	Cl
10. Sulfates (SO ₄)		<u>600</u> ÷ 48 <u>13</u>	SO ₄
11. Calcium (Ca)		<u>140</u> ÷ 20 <u>7</u>	Ca
12. Magnesium (Mg)		<u>17</u> ÷ 12.2 <u>1</u>	Mg
13. Total Hardness (CaCO ₃)		<u>420</u>	
14. Total Iron (Fe)		<u>1.0</u>	
15. Barium (Qualitative)			
16. Phosphate Residuals			

MMH equivalents per liter

PROBABLE MINERAL COMPOSITION

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		<u>7</u>		<u>567</u>
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17		<u>1</u>		<u>73</u>
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00				
Na ₂ SO ₄	71.03		<u>13</u>		<u>923</u>
Na Cl	58.46		<u>113</u>		<u>6606</u>

Saturation Values

Distilled Water 20°C

Ca CO ₃	13 Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

REMARKS _____

White River Unit # 19-9

2019' FNL, 1869' FEL
SW NE Sec. 9, T. 8S, R. 22E
Uintah Co., Utah

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



8 5/8", 24#, J-SS csg. set @ 192'
cmt w/ 165 sx regular cmt w/
2% CaCl₂ & 3% salt.

TOC @ 3940' from CBL dated 10-29-6

Tbg detail:

11-29-84

Perfs @ 5477'-
5479' spaced w/
75 sx class G
cmt w/ 1%
CaCl₂.

Per @ 5596'

182 jts 2 7/8" tbg
Baher Model "G"
1 jt 2 7/8" tbg
Notched collar
KB

5534.32
2.30
31.46
12.00

5630.58

11-28-84

Perf 5628'-5650'
w/ 2 spt, ttl
52 holes.

10-29-64

Perf 5678'-5683'
w/ 4 spt.

5 1/2", 15.50#, J-SS csg set @ 5728'
cmt w/ 225 sx Posmix w/ 2%
gel & 10% salt (by water) around
shoe & 100 sx through stage
collar @ 4487'

White River Unit # 17-10

2010' FNL, 698' FNL
SW NW Sec. 10, T. 8S, R. 22E
Uintah Co., Utah

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



8 5/8", 24 #, J-55 csg. set @ 201'
Cmt. w/ 175 sx regular cmt.
w/ 2% CaCl and 3% salt.
Good cmt. returns

11-2-84
Paraldehyde fm.
perfs. 4349-4354'
sized. w/ 100 sx
Class H cmt. w/
1% CaCl.

TOC calculated @ 4003'. (Cmt. rd. above
stage collar.)

Tbg. detail:

171 jts. 2 7/8" tbg.	5414.59
SN	1.10
1 jt. 2 7/8" tbg.	31.65
5 1/2" 8cr. pkr.	2.35
1 jt. 2 7/8" tbg.	31.63
Notched collar	-
KB	12.00
	<u>5493.82</u>

11-1-84
Perf. 5530'-5550'
w/ 2 spf, Hl. 40
holes.

9-29-64
Perf 5544' w/
8 shots.

5 1/2", 15.50", J-55 csg. set @ 5660'
cmt. w/ 225 sx Premix A w/ 6 #/sk salt
around shoe & 125 sx through stage collar
@ 4413'.

Utah Division of Oil, Gas, and Mining
Casing - Bradenhead Test

Operator: FLYING J EXPLORATION Field/Unit: WHITE RIVER
Well: WHITE RIVER #19-9 Township: 08S Range: 22E Sect: 9
API: 43-047-15083 Welltype: INJW Max Pressure: 2000
Lease type: FEDERAL Surface Owner: FEDERAL
Test Date: 5/16/91

CASING STRING	SIZE	SET AT	PRESSURE	OBSERVATIONS
---------------	------	--------	----------	--------------

Surface:	8 5/8	192		
----------	-------	-----	--	--

Intermediate:		0		
---------------	--	---	--	--

Production:	5 1/2	5728	46 psi	
-------------	-------	------	--------	--

Other:		0		
--------	--	---	--	--

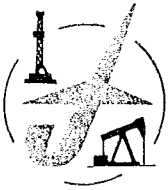
Tubing:	2 7/8		0	
---------	-------	--	---	--

Packer:		5587		
---------	--	------	--	--

after 30min of injection
Tubing went to 30psi
casing stayed at 46psi

Recommendations:

continue to monitor backside.



FLYING J OIL & GAS INC.

333 WEST CENTER STREET - P.O. BOX 540180 - NORTH SALT LAKE, UTAH 84054-0180
(801) 298-7733

July 16, 1992

RECEIVED

JUL 17 1992

**DIVISION OF
OIL GAS & MINING**

Mr. Gilbert Hunt
Utah Division of Oil, Gas & Mining
Three Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Re: White River Unit Injection Wells, Uintah
County, Utah

*White River Unit 19-9
43-047-15083
Sec 9 T85 R22E*

Dear Mr. Hunt:

Enclosed please find a memorandum describing the recent problems experienced with the two injection wells, the #17-10 and #19-9, located in the White River Unit. Within the next few days, I will also be sending to your office our procedures for repairing and testing the two wells and requesting your approval of our plans to return the injection wells to service.

Please do not hesitate to contact me if you have any questions or concerns regarding our handling of this matter. I appreciate your assistance and consideration.

Sincerely,

John R. Baza

John R. Baza
Sr. Petroleum Engineer

July 16, 1992

RECEIVED

JUL 17 1992

MEMORANDUM TO FILE

DIVISION OF
OIL GAS & MINING

From: John Baza, Sr. Petroleum Engineer

Re: White River Unit Injection Wells

On the morning of June 19, 1992, at the White River Unit in Uintah County, Utah, the contract pumper responsible for monitoring daily operations observed fluid permeating the ground near the wellhead of the #17-10 injection well. The pumper shut down injection to the well thinking that injected fluid was circulating outside the wellbore. Later that same morning, Kreg Hill, Production Superintendent for Flying J notified John Baza that the #17-10 injection well was shut-in because of the leakage. It was decided that in order to continue unit production, field operations staff would attempt to inject all produced water from the White River Unit into the #19-9 injection well as long as the injection pressure remained below the 1000 psi maximum allowable injection pressure specified in the permit for the well.

During the afternoon of June 19, 1992, Chuck Gardner, Production Foreman for Flying J also contacted John Baza and provided additional information concerning the #17-10 injection well. Mr. Gardner stated that the pumper had been monitoring on a daily basis the annulus pressure between the injection tubing and the 5-1/2" casing and that the pressure did not change prior to or after observing the surfacing fluid. The annulus pressure remained at approximately 200 to 250 psi where it had been holding for several months. Mr. Gardner also stated that they had switched all water injection to the #19-9 injection well and that current injection pressure was reading about 800 psi.

On the morning of June 23, 1992, Mr. Baza spoke with Kreg Hill again concerning the White River injection wells. Mr. Hill stated that White River Unit production and injection had been shut-in on June 21, 1992, because state approvals to inject allowed only 500 BWIPD per injection well in the unit and the field was producing over 600 BWPD which needed to be injected. Mr. Baza then consulted with James Wilson, Vice President of Operations for Flying J, and it was decided that the field operations staff would perform some short term, low volume pump testing of the #17-10 injection well to determine the nature of the fluid surfacing near the wellhead. Field staff would also collect samples of the injected water and the water surfacing near the wellhead and have them analyzed in order to characterize the source

Page 2

White River Injection Wells

July 16, 1992

of the surfacing fluid. Later that same morning, Mr. Wilson contacted Mr. Hill and communicated this course of action to him.

In the afternoon of June 23, 1992, Charles Gardner arranged for a pump truck to travel to White River Unit to test the injection wells. In previous discussions between Mr. Gardner and Kreg Hill, they had decided to test both injection wells as long as the equipment was in the area and available. The results of the pump testing on the individual wells are shown on the attached reports. In both injection wells, no communication was observed between the injection tubing and the tubing-casing annulus above the injection packer. However, as shown by the reports, when pressure was applied to the 5-1/2" casing, both wells exhibited communication to the 8-5/8" casing and fluid surfaced outside the 8-5/8" casing near the wellhead. Mr. Gardner repeated the pump test of the #19-9 injection well on June 25, 1992, in order to confirm the existence of communication between the casing strings.

Water samples were obtained from the #17-10 injection well on June 23, 1992, prior to pump testing in order to discern the possible source of the surfacing fluid. The first sample was obtained from the White River Unit main water injection tank, and the second sample was obtained from water flowing out of the 8-5/8" casing valve on the #17-10 injection well. A third water sample was obtained from the casing valve flow on June 25, 1992, approximately 48 hours after performing the pump testing of the two injection wells. The resulting analyses are shown on the attached reports from Jetco Chemicals Inc.

The available information suggests that both injection wells require some remedial work to repair leaks within the 5-1/2" casing strings. In both wells, pump testing indicated that there is communication between the 5-1/2" and 8-5/8" casings when adequate pressure is applied. Also in both wells, there are previously perforated zones which have been cement squeezed and the injection packers have been set below the squeezed perfs. Schematic diagrams of the wellbore configurations for both injection wells are included as attachments.

It is likely that the squeezed perfs in the #17-10 injection well which are in the Parachute Creek gas zone of the Green River formation have leaked gas and caused the annular space between the tubing and casing to pressure up. It is also very possible that a recent leak developed in the 5-1/2" casing, and with the constant

Page 3

White River Injection Wells

July 16, 1992

pressure applied to the 5-1/2" casing, fluid was forced around the outside of the 8-5/8" casing to surface near the wellhead.

The three water analyses performed on the samples obtained from the #17-10 well indicate that the injected fluid is significantly different from the fluid surfacing near the wellhead. By comparing the chemical characteristics of specific gravity, dissolved solids, and chlorides in water samples 1 and 2, the fluid surfacing near the wellhead appears to be from a fresh water source rather than the injected water. Water sample 3 indicates an increase in the aforementioned characteristics which is likely due to dilution of the near wellhead fluid by the water used during the pump tests 48 hours prior to the final sampling. The water used for the pump tests was the same injected water whose chemical composition is indicated by water sample 1.

The #19-9 injection well also has squeezed perforations in one of the oil producing sands of the Green River formation approximately 200' shallower than the waterflooded sand. These squeezed perfs may also be leaking and because of the communication between the 5-1/2" and 8-5/8" casings, pump testing of the 5-1/2" casing probably caused oil to surface around the 8-5/8" casing near the wellhead.

Procedures are being prepared to workover both White River injection wells in order to repair the 5-1/2" casing leaks and ensure mechanical integrity of the wells. As previously stated, both injection wells and the three of the producing wells in the field have been shut-in since June 21, 1992. After repairing and testing the wells, Flying J could then apply for permission to recommence injection for enhanced recovery purposes.

WHITE RIVER 17-10

6-23-92

RU HOT OIL TRUCK PUMP DOWN 5 1/2" CSG W/ FORMATION WTR. PRESS TO 500 PSI IMMEDIATELY BLED TO 300 PSI IN 1 MIN. PRESS AGAIN TO 500 PSI. BLED TO 300 PSI IN 1 MIN. PRESS TO 500 PSI & INJECTED 7 BBLS AT 1/2 BPM. 8 5/8" CSG SLOWLY BUILT TO 400 PSI AFTER 7 BBLS PUMPED. SD HOT OILER W/440 ON 5 1/2" CSG HOT OILER GAUGE 400 PSI ON 8 5/8" CSG. WH GAUGE BLED TO 242 PSI ON 5 1/2" CSG HOT OILER GAUGE & 222 PSI ON 8 5/8" CSG IN 30 MIN. BLED PRESS OFF 5 1/2" CSG W/ 222 PSI LEFT ON 8 5/8". PRESS BLED F/ 222 TO 206 ON 8 5/8" CSG IN 15 MIN. CHANGE HOT OILER F/ 5 1/2" CSG TO 8 5/8" CSG. PRESS 8 5/8" CSG TO 300 PSI. BLED TO 200 PSI IMMEDIATELY. PRESS AGAIN TO 300 PSI BLED TO 200 PSI IMMEDIATELY. PRESS TO 300 PSI HELD W/ SLIGHT BLEED OFF IN 10 MIN. BLEED PRESSURE OFF 5 1/2" & 8 5/8" CSG BOTH STANDING FULL CHANGE HOT OILER F/ 8 5/8" CSG TO 2 7/8" TBG. PUMP 5 BBLS @ 2 BPM. CAUGHT PRESSURE BUILT TO 1100 PSI W/ 10 BBLS PUMPED. PUMP ADDITIONAL 50 BBLS AT 1100 PSI NO COMMUNICATION BETWEEN 2 7/8" TBG & CSG. CHANGE HOT OIL TRUCK F/ 2 7/8" TBG TO 5 1/2" CSG. PRESS 5 1/2" & 8 5/8" CSG TO 300 PSI W/ GAUGES. LEFT WELL SHUT IN W/ "O" TBG, 300 5 1/2" CSG & 300 8 5/8" CSG. RD HOT OIL TRUCK & MOVE TO 19-9.

DAILY & CUM.

243.75

WHITERIVER 19-9

6-23-92

RU HOT OIL TRUCK TO 5 1/2" CSG PUMP 4 BBLs FORMATION WTR. CAUGHT PRESS CHANGE OVER TO 2 7/8" TBG. PUMP 15 BBLs AT 2 BPM. CAUGHT PRESSURE. BUILT TO 500 PSI W/ 25 BBLs PUMPED. TOTAL OF 50 BW ENDING PRESS. 500 PSI. NO COMMUNICATION BETWEEN 2 7/8" TBG & 5 1/2" CSG. CHANGE OVER TO 5 1/2" CSG CAUGHT PRESS IMMEDIATELY. PRESS TO 500 PSI W/ 5 BBLs PUMPED 2 BPM, 400 PSI W/ 7 BBLs PUMPED, 600 PSI W/ 10 BBLs PUMPED, 400 PSI W/ 11 BBLs PUMPED, GOT CIRC OUT 8 5/8" W/ 11 BBLs PUMPED. SD HOT OILER. INSTALL GAUGE ON 8 5/8" CSG. (NOTE FLOW 2 BBLs BACK TO HOT OILER WHILE INSTALLING GAUGE ON A 8 5/8" CSG, 15 MIN). RESUME PUMPING DOWN 5 1/2" CSG PUMPED 2 BBLs AT 200 PSI CRUDE STARTED SEEPING OUT OF GROUND 3' F/ WH. SD HOT OIL TRUCK. BLEED PRESS TO "O" ON CSG. LEFT WELL SHUT IN W/ "O" ON TBG. AND CSG. (NOTE: APPROX 5 BBLs CRUDE SEEPED OUT ON GROUND).

DAILY & CUM

243.75

6-25-92

RU HOT OIL TRUCK TO 5 1/2" CSG TO CIRC OUT 8 5/8" CSG. STARTED PUMPING FORMATION WTR CAUGHT PRESS IMMEDIATELY GOT RETURNS BACK TO HOT OIL TRUCK IN 4 MIN. PUMPING WITH SMALL GEAR PUMP ON HOT OILER. STARTED SEEPING OIL 3' FROM WH IN 6 MIN FROM START. SD HOT OIL TRUCK CONTINUED TO SEEP AROUND WH. TOTAL OF 5 BBLs WTR PUMPED DOWN 5 1/2" CSG APPROX 1 BBL OIL BACK TO HOT OIL TRUCK. APPROX 3 BBLs SEEPED AROUND WH. RD & RELEASE HOT OIL TRUCK. BACK FILLED HOLE AROUND WH. SHUT WELL IN.

DAILY
CUM

292.00
535.75

W R U wtr analysis 17-10 surface pipe (2 $\frac{5}{8}$ ") and
long string (5 $\frac{1}{2}$ ")

sample #1 Injection water from unit injection
tank (1000 bbl)

sample #2 Water flowing out 2 $\frac{5}{8}$ " surface pipe
before testing CSQS.

sample #3 wtr flowing out 2 $\frac{5}{8}$ " surface 48 hrs after
CSQS. tested

press tested CSQS, 5 $\frac{1}{2}$ " - 2 $\frac{5}{8}$ " 6-24-92 see report in
well file dated 6-25-92

Catch sample of wtr flowing out 2 $\frac{5}{8}$ " surface CSQ. sample #2
before injecting
inject into 5 $\frac{1}{2}$ " & 2 $\frac{5}{8}$ " CSQS. shut CSQS in for 24 hrs.
at the end of 24 hrs.
open CSQS bleed off press leave 2 $\frac{5}{8}$ " CSQ flowing 24 hrs
catch sample #3 from 2 $\frac{5}{8}$ " CSQ.

JUL 6 1992

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number

U-0971

7. Indian Allottee or Tribe Name

NA

8. Unit or Communitization Agreement

White River Unit

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
 Use APPLICATION FOR PERMIT— for such proposals.

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other (specify) Enhanced Recovery Injection

9. Well Name and Number

#19-9

2. Name of Operator

Well

Flying J Oil & Gas Inc

10. API Well Number

43-047-15083

3. Address of Operator

P.O. Box 540180 North Salt Lake, UT 84054-0180

4. Telephone Number

(801)298-7733

11. Field and Pool, or Wildcat

White River

5. Location of Well

Footage : 2019' FNL, 1869' FEL

County : Uintah

QQ. Sec. T., R., M. : SW NE Sec. 9, T.8S, R.22E

State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**NOTICE OF INTENT**
(Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input checked="" type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate Date Work Will Start ASAP**SUBSEQUENT REPORT**
(Submit Original Form Only)

- | | |
|--|---|
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Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

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See attached procedure for repairing leaks in the referenced injection well.

**Accepted by the State
 of Utah Division of
 Oil, Gas and Mining**

Date: 8-4-92By: [Signature]**RECEIVED**

JUL 31 1992

DIVISION OF
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature

John R. Baza

Title Sr. Petroleum Engineer

Date 7-30-92

(State Use Only)

WORKOVER PROCEDURE
WHITE RIVER UNIT WELL NO. 19-9
July 29, 1992

Purpose: Isolate and repair leak in 5-1/2" casing. Perform mechanical integrity test of injection well as required by the U.S. Environmental Protection Agency and the Utah Division of Oil, Gas and Mining.

PERTINENT INFORMATION

Well Location: 2019' FNL, 1869' FEL (SW NE)
Sec. 9, T. 8S, R. 22E
Uintah Co., Utah

Spud Date: 10-5-64

Elevations: 5011'GL, 5023'KB

TD: 5737'

PBTD: 5673'

Formation: Green River

Completion Date: 12-24-64

Casing: 8-5/8", 24# @ 192' w/ 165 sx cement
5-1/2", 15.5# @ 5728' w/ 325 sx cement
(Cmt top from CBL @ 3940')

Perforations: 5624'-5683'

PROCEDURE

1. MIRUSU. ND wellhead. Release Bkr model G pkr @ 5596'. SOOH. LD BHA.
2. TIH w/ 4-3/4" mill and 5-1/2" M&M csg scr, 4' 2-7/8" pup jt & SN. CO to PBTD @ approx 5673'. Test 2-7/8" tbg to 2000#.
3. POOH. LD BHA.

Page 2

White River Unit #19-9 Procedure

July 29, 1992

4. PU 5-1/2" RBP & FBRC. TIH. Isolate leaks & cmt as necessary. (If leak should be close to surface, attempt to cut or back off 5-1/2" csg and replace as necessary.)
5. Drill out cmt. Test repaired csg to 1000#. If csg does not test, isolate leaks and repeat repairs as necessary. If csg tests OK, CO to RBP and recover same.
6. Run CBL to verify cmt placement.
7. TIH w/ Bkr model G pkr. Circ well w/ 100 bbls inhibited water. Set pkr @ approx 5596'.
8. Test the 5-1/2" csg & pkr to 1000#. Install wellhead.
9. RDMOSU.
10. Inform the U.S. Environmental Protection Agency and the Utah Division of Oil, Gas and Mining that the well is ready for a mechanical integrity test in order to recommence injection. Fill the 2-7/8" tbg - 5-1/2" csg annulus with noncorrosive fluid. Perform mechanical integrity test of 5-1/2" csg & pkr to a surface pressure of at least 300#. Hold pressure for at least 45 minutes, recording pressures at five minute intervals. The mechanical integrity test should not show greater than ten percent change in pressure over 45 minutes in order for the test to be successful.

Mechanical Integrity Test Casing or Annulus Pressure Test

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Implementation Section, 8WM-DW
999 18th Street, Suite 500, Denver, CO 80202-2466

EPA Witness: John L. BERRIER Date 10/18 1992 Time 2 am/pm
Test conducted by: Flying J Oil & Gas Inc
Others present: John Berrier Division of Oil Gas and Mining

Well: #19-4	Well ID: 43-047-15038 083
Field: White River	Company: Flying J Oil & Gas Inc.
Well Location: SW NE Sec 9 T8S R22E Jintch Co. Utah	Address: Roosevelt UT.

Time	Test #1	Test #2	Test #3
0 min	<u>625</u> psig	<u>400</u> psig	<u> </u> psig
5	<u>620</u>	<u>400</u>	<u> </u>
10	<u>611</u>	<u>400</u>	<u> </u>
15	<u>603</u>	<u>399</u>	<u> </u>
20	<u>595</u>	<u>398</u>	<u> </u>
25	<u>588</u>	<u>395</u>	<u> </u>
30 min	<u>581</u>	<u>395</u>	<u> </u>
35	<u>574</u>	<u>394</u>	<u> </u>
40	<u>568</u>	<u>393</u>	<u> </u>
45	<u>562</u>	<u>390</u>	<u> </u>
50	<u> </u>	<u> </u>	<u> </u>
55	<u> </u>	<u> </u>	<u> </u>
60 min	<u> </u>	<u> </u>	<u> </u>
Tubing press	<u> </u> psig	<u> </u> psig	<u> </u> psig

Result (circle) Pass Fail Pass Fail Pass Fail

Signature of EPA Witness: John L. Berrier
See back of page for any additional comments & compliance followup.

This is the front side of two sides

Mechanical Integrity Test

Additional comments for mechanical integrity test _____

*A Bartin pressure recorder will be installed to monitor 4½" +
5½" Csg.*

OFFICE USE ONLY - COMPLIANCE FOLLOWUP Staff _____ Date _____

Do you agree that the well passed/failed the test? ☐ Yes ☐ No

Transfer of ownership? ☐ Yes ☐ No OLD _____ NEW _____

Change in operating status (computer update) ☐ Yes ☐ No

Possible violation identified? ☐ Yes ☐ No

If YES - Followup initiated? ☐ Yes _____ ☐ No

☐ Data Entry

☐ Compliance Staff

☐ 2nd Data Entry

☐ Hard Copy Filing

This is the back side of two sides.

White River Unit 19-9

Report #34

10-28-92

@ 7:00 A.M. Pressure test $4\frac{1}{2}"$ & $5\frac{1}{2}"$ Csg. as follows.

Press. test to 300# lost 70# in 45 min.. Pressure test to 1000# lost 185# in 45 min.. Drop press. to 300# lost 10# in 45 min.. Pressure up to 1000# and bleed off pressure 5 times. Pressure up to 1000# lost 110# in 45 min.. T.I.H. w/ BKR $4\frac{1}{2}"$ C-1 Full bore PKR.. Set PKR @ 1991' w/ 27,000# tension @ the PKR.. (20' above BKR Hy Flow)
Pressure test $4\frac{1}{2}"$ Csg. above PKR. to 1000# F/15 min. Held OK.
Pressure test $4\frac{1}{2}"$ & $5\frac{1}{2}"$ Csg. below PKR to 1015# lost 50# in 15 min., 115# in 45 min.. Dropped press to 635#, lost 15# in 15 min., lost 25# in 30 min. and 35# in 45 min.. Release Full bore PKR @ 1991 P.O.D.H.
S.W.I.F.N. @ 5:30 P.M.

Rig 1569⁰⁰
 Hamco BOP 200⁰⁰
 A-1 Tanks 30⁰⁰
 BKR PKR 1201⁰⁰
 Supervision 300⁰⁰
 D.C. 3300⁰⁰

 152,816⁰⁰
 Cum. 156,116⁰⁰

19.

White River Unit 19-9

Report #35

10-29-92

@ 8:00 A.M. P.V. BKR. 20 FA 30 seal assy. w/ built up no go to prevent knocking out modle B expendable plug. Seal nipple is $7\frac{1}{2}$ " lg. w/ 2 moulded seal units. T.I.H. w/ $2\frac{7}{8}$ " Tbg. to PKR @ 5613'. Pressure test Csg. + PKR to 600#, lost 60# in 45 min.. Sting in to PKR @ 5613'. Pressure test down $2\frac{7}{8}$ " Tbg. to 1,000# pressure dropped to 0- in 13 min.. Sting out of PKR @ 5613'. Pressure test Csg. + PKR again to 625# lost 63# in 45 min.. Test Csg. + PKR again to 400#, lost 10# in 45 min.. P.O.O.H. L.D. Seal assy.. Both seal units were damaged. P.V. BKR 42-30 anchor seal assy w/ chevron seals 2' lg.. T.I.H. w/ $2\frac{7}{8}$ " Tbg. to PKR @ 5613'. Latch in to PKR w/ 10,000# comp. and knock out expendable plug. Pull 15,000# over string wt.. Set down 7,000# comp. + pressure test Csg. to 600# lost 300# in 10 min.. Bleed off pressure S.W.I.F.N. @ 6:30 P.M.

Rig	1650 °°
Homco BDP	200 °°
17-1 Tanks	30 °°
Dalbo	125 °°
Supervision	300 °°
D.C.	2305 °°
	156,116 °°
Cum.	158,421 °°

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number

U-0971

7. Indian Allottee or Tribe Name

8. Unit or Communitization Agreement

SUNDRY NOTICES AND REPORTS ON WELLS

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Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other (specify)

2. Name of Operator

Flying J Oil and Gas

9. Well Name and Number

Whiteriver Unit 19-9

10. API Well Number

43 047 15083

3. Address of Operator

PO Drawer 130 Roosevelt, Utah 84066

4. Telephone Number

722 5166

11. Field and Pool, or Wildcat

Whiteriver

5. Location of Well

 Footage : 2019' FNL 1869' FEL
 QQ, Sec, T., R., M. : SW NE Sec 9, T8S, R22E

County : Uintah

State : UTAH

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| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate Date Work Will Start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
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| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Isolate & Repair Leak in 5 1/2" Csg</u> | |

Date of Work Completion 11/2/92

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHMENTS

RECEIVED

NOV 12 1992

DIVISION OF
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature

J. KREG HILL

Title

PRODUCTION
SUPERINTENDENTDate 11/9/92

(State Use Only)

ATTACHMENT
WHITERIVER UNIT 19-9

1. C/O 5 1/2" CSG W/4 3/4" MILL & SCR TO PBTD @5656'.
2. ISOLATE LEAKS IN 5 1/2" CSG BETWEEN 591-654 & 1051'-1081'.
3. RUN SCHLUMBERGER PIPE ANALYSIS F/2000' TO SURFACE. (ANALYSIS SHOW HOLE @629' & 1094').
4. PERFORATE 5 1/2" CSG @1778' W/3 1/8" CSG GUN. SHOT 4-3/8" HOLES. UNABLE TO ESTABLISH CIRCULATION FROM 1778' TO SURFACE F/5 1/2" CSG REPLACEMENT.
5. CMT PERFORATIONS @1778' W/150 SX TYPE 5 "G" CMT W/3% CACL2 & 50 SX TYPE 5 "G" CMT NEET, 1.18 YIELD, 15.6 PPG.
6. CMT HOLE @629' W/250 SX 50X50 POZ W/2% CACL2 & 2% GELL, 1.25 YIELD, 14.1 PPG HAD FULL RETURNS W/CMT OUT 8 5/8" CSG AND AROUND WELLHEAD.
7. CMT HOLE @1094' W/25 SX TYPE 5 "G" CMT W/.2% CFR3, 1.18 YIELD, 15.6 PPG.
8. CMT HOLE @629' W/20 SX TYPE 5 "G" CMT W/.2% CFR3, 1.18 YIELD, 15.6 PPG.
9. CMT HOLE @629' W/25 SX TYPE 5 "G" CMT W/2% CACL2 1.18 YIELD, 15.6 PPG.
10. CMT HOLE @629' W/50 SX TYPE 5 "G" CMT W/2% CACL2. 1.18 YIELD, 15.6 PPG. (NOTE BROKE DOWN 5 1/2" CSG BETWEEN 1046' AND 1061' DURING THIS SQUEEZE ATTEMPT).
11. CMT HOLE BETWEEN 1046' AND 1061' W/25 SX TYPE 5 "G" CMT W/3% CACL2, 1.18 YIELD, 15.6 PPG.
12. CMT HOLE BETWEEN 1046' AND 1061' W/25 SX MICRO MATRIX W/1% CFR3, 1.21 YIELD, 12.1 PPG.
13. SET W/TBG BAKER F-1 45-30 PKR @5613'.
14. RAN 4 1/2" CSG 11.6# K-55 W/RFC THREAD. SET BKR HYFLOW 3-D LINER HANGER PKR @2011', SET IN SLIPS AND PACKED OFF @SURFACE.
15. RAN INTEGRITY TEST ON 4 1/2" AND 5 1/2" CSG F/5613' TO SURFACE. TEST RESULTS WERE F/625# LOST 63# IN 45 MIN, F/400# LOST 10# IN 45 MIN. WITNESSED BY JOHN BARRIER W/UTAH OIL GAS & MINING. TEST WAS PASSED W/THE STIPULATION THAT A RECORDER WOULD BE INSTALLED AND CSG PRESSURE WOULD BE MONITORED.
16. 2 7/8" TBG STRING WAS RUN W/AN INFLATABLE PKR 1 JT ABOVE SEAL ASSY STUNG INTO BKR F-1 PKR @5613'. PRESSURED 2 7/8" TBG AND FORMATION BELOW PKRS TO 2000# W/NO COMMUNICATION BETWEEN TBG AND CSG.
17. WELLHEAD WAS INSTALLED, 4 1/2" & 5 1/2" CSG WAS PRESSURE TESTED TO 415# LOST 23# IN 1 HR. RETURNED WELL TO PRODUCTION.

Belco Petroleum Corp.

Level 5011 KB 5023

Sec. 9, T8S, R22E

Uintah County Utah

(10-27-92)

4 1/2" 11.60" K-55 w/ BKR RFC Threads, 4 1/2" O.D. 3.875" I.D.

53 Jts. A.A. hung off @ Surface

4 1/2" RFC Box x 4 1/2" FJ Hydril box x over sub

BKR 5 1/2" Hi-flow 3D liner hanger PRR. Bottom of PRR set @ 2011'

PRR was set w/ 27 K over @ PRR + 50 K @ slips.

3.906" I.D. Thru PRR, 4 23/32" O.D.

192' 8 5/8" 2 1/2" J-55 ST4C 13 3/4" Hole

Cmt. w/ 165 SX. Reg. 2% Calh. + 3% Salt, to surface

(Had good Cmt. returns out 8 5/8" + around well head)

Hole @ 629' Squeezed (9-26-92) w/ 250 SX 50/50 po2 w/ 2% Calh. + 2% gel

" " " (10-1-92) w/ 20 SX Type 5 "6" Cmt. w/ 2% CFR3

" " " (10-6-92) w/ 25 SX Type 5 "6" Cmt. w/ 2% Calh.

" " " (10-10-92) w/ 50 SX Type 5 "6" Cmt. w/ 2% Calh.

Hole between 1046' + 1061'

Squeezed (10-14-92) w/ 25 SX

Type 5 "6" Cmt. w/ 3% Calh.

Squeezed (10-16-92) w/ 25 SX

Micro Matrix w/ 1% CFR3

Hole @ 1094' Squeezed (9-30-92) w/ 25 SX Type 5 "6" Cmt. w/ 2% CFR3

Thy Detail (11-1-92) 12' K13 (15,000# Compression)

2-6' + 1-10' 2 1/4" EUE 8 1/2" 6.50" N-80 Pop Jts

181 Jts. 2 1/4" EUE 6.50" J-55, 2 1/4" Box x 2 1/4" Pin x over sub,

2 1/8" Thread T-2 on + off tool w/ 1.81" Profile, MTIV States Tam Single

Set in Inflatable PRR 3.437" O.D. x .875" I.D. x 7.72' Lg., 2 1/4" Pin x 2 1/4" Pin x over sub

1-JT 2 1/4" Th. A.A., BKR 20-FR-30 locator seal assy w/ built up no go, .79" Lg stinger

w/ 3 molded seals. Top of inflatable PRR @ 5574'

4487' D.V. Collar Cmt. Top @ 3940'

Perforations @ 1778'

Squeezed (9-25-92) w/ 150 SX

Type 5 "6" Cmt. w/ 3% Calh. +

50 SX Type 5 "6" Cmt. Meet.

Perf @ 5477' + 5479' Squeezed w/ 75 SX "6" w/ 1% Calh. (11-29-94)

Perforations 5477' + 5479' 1/2" 4-SPF Radial Jets

Thy. set (10-25-92) 5613'

BKR F-1 45-30 PRR. Unable

to seal off w/ seal assy believe

F-1 To be Trashed. (Note F-1 PRR is

Scared up)

Perforations 5630' 1/2" 8 SPF Tandem Radial Jets.

Perforations 5624' - 5650' 2-SPF 52 holes (11-28-94)

5672' CIBP? 1/4 BBL Cmt. on Plus.

Perforations 5678-83' 1/2" 4-JSPF (10-25-94)

POTD

5692'

5728' 5 1/2" J-55 15-50" ST4C Cmt. w/ 225 SX, 50-50

T.D.

5737' po2 w/ 2% gel + 10% salt around shoe + 100 SX.

through DV collar @ 4487'

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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FLYing J Oil and Gas

3. Address of Operator

PO Drawer 130 Roosevelt, Utah 84066

4. Telephone Number

722 5166

9. Well Name and Number

Whiteriver Unit 19-9

10. API Well Number

43 047 15083

11. Field and Pool, or Wildcat

Whiteriver

5. Location of Well

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 QQ, Sec. T., R., M. : SW NE Sec 9, T8S, R22E

County : Uintah

State : UTAH

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Approximate Date Work Will Start _____

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| <input checked="" type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Isolate & Repair Leak in 5 1/2" Csg</u> | |

Date of Work Completion 11/2/92

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SEE ATTACHMENTS

RECEIVED

FEB 18 1993

DIVISION OF
OIL GAS & MINING

hereby certify that the foregoing is true and correct

& Signature

Original signed by: J. KREG HILL

Title

PRODUCTION
SUPERINTENDENT

Date 11/9/92

Use Only)

ATTACHMENT
WHITERIVER UNIT 19-9

1. C/O 5 1/2" CSG W/4 3/4" MILL & SCR TO PBTD @5656'.
2. ISOLATE LEAKS IN 5 1/2" CSG BETWEEN 591-654 & 1051'-1081'.
3. RUN SCHLUMBERGER PIPE ANALYSIS F/2000' TO SURFACE. (ANALYSIS SHOW HOLE @629' & 1094').
4. PERFORATE 5 1/2" CSG @1778' W/3 1/8" CSG GUN. SHOT 4-3/8" HOLES. UNABLE TO ESTABLISH CIRCULATION FROM 1778' TO SURFACE F/5 1/2" CSG REPLACEMENT.
5. CMT PERFORATIONS @1778' W/150 SX TYPE 5 "G" CMT W/3% CACL2 & 50 SX TYPE 5 "G" CMT NEET, 1.18 YIELD, 15.6 PPG.
6. CMT HOLE @629' W/250 SX 50X50 PDZ W/2% CACL2 & 2% GELL, 1.25 YIELD, 14.1 PPG HAD FULL RETURNS W/CMT OUT 8 5/8" CSG AND AROUND WELLHEAD.
7. CMT HOLE @1094' W/25 SX TYPE 5 "G" CMT W/.2% CFR3, 1.18 YIELD, 15.6 PPG.
8. CMT HOLE @629' W/20 SX TYPE 5 "G" CMT W/.2% CFR3, 1.18 YIELD, 15.6 PPG.
9. CMT HOLE @629' W/25 SX TYPE 5 "G" CMT W/2% CACL2 1.18 YIELD, 15.6 PPG.
10. CMT HOLE @629' W/50 SX TYPE 5 "G" CMT W/2% CACL2. 1.18 YIELD, 15.6 PPG. (NOTE BROKE DOWN 5 1/2" CSG BETWEEN 1046' AND 1061' DURING THIS SQUEEZE ATTEMPT).
11. CMT HOLE BETWEEN 1046' AND 1061' W/25 SX TYPE 5 "G" CMT W/3% CACL2, 1.18 YIELD, 15.6 PPG.
12. CMT HOLE BETWEEN 1046' AND 1061' W/25 SX MICRO MATRIX W/1% CFR3. 1.21 YIELD, 12.1 PPG.
13. SET W/TBG BAKER F-1 45-30 PKR @5613'.
14. RAN 4 1/2" CSG 11.6# K-55 W/RFC THREAD. SET BKR HYFLOW 3-D LINER HANGER PKR @2011', SET IN SLIPS AND PACKED OFF @SURFACE.
15. RAN INTEGRITY TEST ON 4 1/2" AND 5 1/2" CSG F/5613' TO SURFACE. TEST RESULTS WERE F/625# LOST 63# IN 45 MIN, F/400# LOST 10# IN 45 MIN. WITNESSED BY JOHN BARRIER W/UTAH OIL GAS & MINING. TEST WAS PASSED W/THE STIPULATION THAT A RECORDER WOULD BE INSTALLED AND CSG PRESSURE WOULD BE MONITORED.
16. 2 7/8" TBG STRING WAS RUN W/AN INFLATABLE PKR 1 JT ABOVE SEAL ASSY STUNG INTO BKR F-1 PKR @5613'. PRESSURED 2 7/8" TBG AND FORMATION BELOW PKRS TO 2000# W/NO COMMUNICATION BETWEEN TBG AND CSG.
17. WELLHEAD WAS INSTALLED, 4 1/2" & 5 1/2" CSG WAS PRESSURE TESTED TO 415# LOST 23# IN 1 HR. RETURNED WELL TO PRODUCTION.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VIII

999 18th STREET - SUITE 500
DENVER, COLORADO 80202-2466

SEP 23 1993

Ref: 8WM-DW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. John R. Baza
Flying J Oil & Gas Inc.
333 West Center Street
P.O. Box 540180
North Salt Lake, UT 84054-0180

RECEIVED
SEP 27 1993

DIVISION OF
OIL, GAS & MINING

RE: UNDERGROUND INJECTION CONTROL (UIC)
NOTICE OF NONCOMPLIANCE
White River Unit Injection Wells
#17-10 (EPA #UT02548)
#19-9 (EPA #UT02549)
Uintah County, Utah

Dear Mr. Baza:

Recent routine field inspections conducted the morning of August 19, 1993, by Mr. Gustav Stolz and Mr. Chuck Williams, of my staff, found the above two referenced rule-authorized injection facilities to be possibility in noncompliance with the underground injection control (UIC) regulations.

Each of the two wells were found to have an unreported positive casing/tubing annulus pressure ranging from 170 psig (#19-9) to 175 psig (#17-10). If the annular gauge is correct, the annulus pressure could be considered an indication of a lack of mechanical integrity for each of these wells.

Upon your receipt of this letter, Flying J must immediately shut-in the two wells and not resume injection until so advised by the EPA. Flying J must comply with the following requirements within thirty (30) days of receipt of this letter:

- (1) shut-in the two wells immediately, conduct the necessary remedial action, or plug and abandon if warranted, to bring the #19-9 and #17-10 wells into compliance, and
- (2) prior to resuming injection, Flying J must conduct and pass an authorized witnessed mechanical integrity test (MIT), and



FLYING J OIL & GAS INC.

333 WEST CENTER STREET • P.O. BOX 540180
NO. SALT LAKE CITY, UTAH 84054-0180
PHONE (801) 298-7733

October 1, 1993

43047-15082
43-047-15083
RECEIVED

OCT 04 1993

DIVISION OF
OIL, GAS & MINING

Mr. Chuck Williams
Drinking Water Branch (8WM-DW)
U.S. Environmental Protection Agency
999 18th Street, Suite 500
Denver, Colorado 80202-2466

RE: White River Unit Injection Wells #17-10
(EPA #UT02548) and #19-9 (EPA
#UT02549), Uintah County, Utah

Dear Mr. Williams:

On September 30, 1993, Flying J Oil & Gas Inc. received your Notice of Noncompliance dated September 23, 1993, concerning the referenced wells which are rule authorized Class II water injection wells used for secondary recovery of oil and gas. This letter shall notify you that both wells were shut-in on September 30th and this letter shall also provide additional information regarding each of the referenced wells.

No fluid has been injected into the WRU #17-10 well since June 1992, when both injection wells in the White River Unit were shut-in for repairs. Repair operations were performed on the other injection well, the WRU #19-9, from September through November 1992. Although a similar repair operation was planned for the #17-10 injection well shortly thereafter, the work was not performed and the well continued in the shut-in status in which it currently remains. It is now the intent of Flying J to permanently plug and abandon the #17-10 well, as it is no longer needed as a waterflood injection well.

Enclosed is a copy of the sundry notice form which has been submitted to the U.S. Bureau of Land Management (BLM), requesting approval of the proposed plugging procedure for the #17-10 well from that federal agency. Also enclosed is additional pertinent information regarding the proposed plugging program for your consideration. Assuming that both your office and the BLM approve the plugging and abandonment of the well, Flying J would commence plugging operations within thirty days of approval.

Page 2

Mr. Chuck Williams

October 1, 1993

As already mentioned, the WRU #19-9 well underwent repair operations during 1992 and an MIT was performed and witnessed by Mr. John Berrier, inspector for the State of Utah Division of Oil, Gas and Mining (DOGM). Documentation of the workover and MIT results were submitted to the EPA in November 1992 by Mr. J. Kreg Hill, Production Superintendent for Flying J in Roosevelt, Utah. In accordance with requirements of the DOGM, the well was returned to injection on November 3, 1992, with a pressure recorder installed in order to monitor the pressure between the tubing and casing.

The following paragraphs address individually each of the requirements of your September 23rd letter:

- (1) Both injection wells are currently shut-in. The #17-10 well has been shut-in since June 1992 and the #19-9 well was shut-in upon receipt of your letter on September 30, 1993. It is important to note that ceasing injection into the #19-9 well necessitated the shut-in of White River Unit production because without an operating injection well, water production from the unit could not be recycled back into the producing formation.
- (2) For the #19-9 well, Flying J has conducted and passed an MIT witnessed by a State of Utah representative in October 1992 after performing casing repair operations and prior to returning the #19-9 well to injection. Documentation for the MIT was submitted to the EPA in November 1992 as confirmed by telephone communication between Mr. Gustav Stolz and myself on September 30, 1993. No MIT has been conducted on the #17-10 well because no injection has occurred since damaged casing was discovered in June 1992 and no workover operations have taken place to repair the damaged casing.
- (3) For the #19-9 well, Flying J submitted a completed Well Rework Record in November 1992 as confirmed by telephone communication between Mr. Gustav Stolz and myself on September 30, 1993. No Well Rework Record has been submitted for the #17-10 well because no workover operations have taken place to repair the damaged casing in the well.
- (4) Your inspection on August 19, 1993 found positive pressures on the casing/tubing annuli of both injection wells. These pressures were known to exist at the time of the proposed repair operations and they likely represent pressure from uphole gas zones which were previously squeezed off but are in partial communication with the wellbore. From the MIT test performed on the #19-9 well in October 1992, it was established that fluid movement out of the casing was minor and complied with EPA requirements for demonstration of mechanical integrity. Because the #17-10 well has been shut-in since June 1992, there is no potential

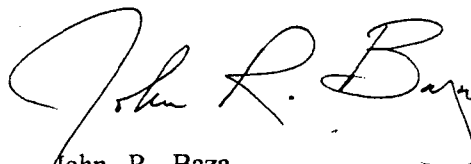
Page 3
Mr. Chuck Williams
October 1, 1993

for injected water to be pressurizing the casing/tubing annulus or invading shallow formations. Flying J has reported the positive casing pressure for the #19-9 well both to the EPA on the Annual Disposal/Injection Well Monitoring Report (EPA form 7520-11) submitted in February 1993 and to the DOGM on their Monthly Report of Enhanced Recovery Project (UIC form 2).

Flying J has attempted to perform the necessary actions and submit the appropriate reports to ensure compliance with applicable federal and state requirements for operating Class II secondary recovery injection wells. As directed by your September 23rd letter, both injection wells have been shut-in; however, I feel it is appropriate in light of the information presented with this letter that Flying J be allowed to continue injection into #19-9 well again and resume operations of the White River Unit. If necessary, Flying J can conduct an additional MIT at which an EPA representative could be present. If this is required, I request that we establish an acceptable date and time as quickly as possible to perform the test.

I appreciate your consideration of this response and I look forward to discussing this matter with you further.

Sincerely,



John R. Baza
Senior Petroleum Engineer

Enclosures

cc: Ferron Secakuku
Norman Cambridge
Luke Duncan
Gil Hunt
Jerry Kenczka
Kreg Hill

wruinj:jrb



FLYING J OIL & GAS INC.

333 WEST CENTER STREET • P.O. BOX 540180 • NORTH SALT LAKE, UTAH 84054-0180
PHONE (801) 298-7733

October 26, 1993

RECEIVED

OCT 29 1993

DIVISION OF
OIL, GAS & MINING

Mr. Chuck Williams
Drinking Water Branch (8WM-DW)
U. S. Environmental Protection Agency
999 18th Street
Suite 500
Denver, Colorado 80202-2466

RE: White River Unit Injection Wells
#17-10 (EPA #UT02548) and
#19-9 (EPA #UT02549)
Uintah County, Utah

43-047-15083
Sec 9 T8 R22E

Dear Mr. Williams:

As a follow up to our telephone conversation of October 5, 1993, I am sending you additional information regarding the referenced wells. The status of the WRU #17-10 well has not changed and it remains shut-in, pending plugging and abandonment. The WRU #19-9 well is back on injection and the White River Unit is again producing as agreed upon during our telephone conversation. Additional information regarding each well is provided in the following paragraphs.

White River Unit #17-10 Well

To address the issues which you raised during our telephone conversation, an engineering and geologic review of the well was conducted. New well bore diagrams have been prepared which illustrate the current mechanical condition of the well and the proposed plugging program for the well. Copies of these diagrams are enclosed, along with a revised plugging program for the well. One additional cement plug has been included to meet your concern of sealing of the top of the Green River formation. Also the surface plug includes cement both inside the 5-1/2" casing and in the 8-5/8" and 5-1/2" casing annulus. In addition, I have included the appropriate log sections for the well illustrating the geologist's picks for the top of the Green River formation.

Page 2

Mr. Chuck Williams

October 26, 1993

Also enclosed is a copy of the sundry notice form which was filed with the Utah Division of Oil, Gas and Mining (DOGM) indicating that they accepted the proposed plugging procedure. The DOGM has specific requirements for sealing off the oil shale zones in certain designated areas of the state, and they have indicated their concurrence that the proposed plugging procedure should adequately protect the oil shale intervals within this well. Although the U.S. Bureau of Land Management has not yet responded to our original application to plug the well, I have discussed this matter with Mr. Jerry Kenczka, of their Vernal District office, who indicated that any requirements which they have for cementing of the oil shale zones will be conditions of approval from their office, if such stipulations are necessary. Flying J will certainly comply with such conditions of approval if the concerns of all the regulatory agencies can be met.

White River Unit #19-9 Well

The WRU #19-9 well was shut-in on September 30, 1993, after receiving your letter requiring such action. As previously mentioned, the well was returned to injection on October 8th, shortly after our telephone conversation. For your records, I have enclosed copies of the surface pressure recorder charts which have been obtained from the well since the repair work on the casing was performed in November, 1992. I have also enclosed copies of the monthly injection reports filed with the Utah DOGM, showing the average of the monitored pressures each month. Additionally, Mr. Chuck Gardner, who is production foreman over the White River Unit, compiled a report relating to the pressures observed on the #19-9 well following shut-in of injection. This report is also attached for your records.

As shown by the pressure charts and monthly reports, the pressure on the 4-1/2" casing has changed very little during the cyclic injection of water into the well. Because this pressure is relatively constant and does not appear to be a function of injection pressure, it is my opinion that it represents gas pressure from upper zones which are in partial communication with the well bore, but which do not compromise the mechanical integrity of the injection string. Mr. Gardner's report indicates that this pressure will build up gradually, even while no injection is taking place, which further supports the argument that the backside pressure on the tubing is not due to a breach of injection mechanical integrity.

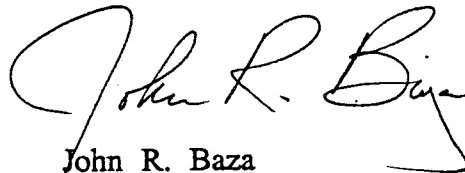
Page 3

Mr. Chuck Williams

October 26, 1993

Flying J wishes to continue injection into the White River Unit for secondary recovery purposes. It is our intent to comply fully with the regulatory requirements of all the various agencies involved and we feel that we have done so at this time. We request the concurrence of the U.S. Environmental Protection Agency for our plans to plug the WRU #17-10 well and to continue water injection into the WRU #19-9 well. If any other information is necessary for this purpose, please contact the undersigned at the letterhead address and telephone number. Your consideration in this matter is greatly appreciated.

Sincerely,



John R. Baza
Senior Petroleum Engineer

Enclosures

cc: Ferron Secakuku
Norman Cambridge
Luke Duncan
Gil Hunt
Jerry Kenczka
Kreg Hill

wruinj2.jrb

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 1 of 1

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

JODIE FAULKNER
FLYING J EXPL & PROD INC
PO BOX 540180
N SLC UT 84504-0180

UTAH ACCOUNT NUMBER: N1190REPORT PERIOD (MONTH/YEAR): 4 / 94AMENDED REPORT ☐ (Highlight Changes)

Well Name					Producing Zone	Well Status	Days Oper	Production Volumes			
API Number	Entity	Location		OIL(BBL)				GAS(MCF)	WATER(BBL)		
WHITE RVR U 15-9											
✓ 4304715080	04915	08S	22E	9	GRRV		— 4058				
WHITE RVR U 16-9								"			
✓ 4304715081	04915	08S	22E	9	GRRV						
WHITE RVR U 20-9								4			
✓ 4304715084	04915	08S	22E	9	GRRV						
WHITE RVR U 24-10								"			
✓ 4304715085	04915	08S	22E	10	GRRV						
WHITE RVR U 27-10											
✓ 4304715086	04915	08S	22E	10	GRRV		— 4029649				
WHITE RVR U 25-9											
✓ 4304715087	04915	08S	22E	9	GRRV		— 40971				
WHITE RIVER UNIT 46-9											
✓ 4304731481	04915	08S	22E	9	GRRV		— 443915				
WHITE RIVER U 43-16											
4304731354	05170	08S	22E	16	GRRV	} Sep. Chg. "Non Unit" wells.					
WHITE RIVER UNIT 45-16											
4304731399	09915	08S	22E	16	GRRV						
WHITE RIVER #47-10											
4304731561	10000	08S	22E	10	GRRV						
* WHITE RIVER UNIT 17-10											
4304715082	99996	8S	22E	10	GRRV	W/W	— 4029649				
* WHITE RIVER UNIT 19-9											
4304715083	99996	8S	22E	9	GRRV	W/W	— 4058				
TOTALS											

COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: WHITE RIVER UNIT #19-9Field or Unit name: WHITE RIVER API no. 43-047-15083Well location: QQ SWNE section 9 township 8S range 22E county UINTAHEffective Date of Transfer: 6/1/94

CURRENT OPERATOR

Transfer approved by:

Name JAMES W. WILSON Company FLYING J OIL & GAS INC.
Signature [Signature] Address P O Box 540180
Title VICE PRESIDENT OPERATIONS NORTH SALT LAKE, UT 84054-0180
Date 8/4/94 Phone (801) 298-7733

Comments:

NEW OPERATOR

Transfer approved by:

Name Mitchell L. Solich Company CHANDLER & ASSOCIATES, INC.
Signature [Signature] Address 555 Seventeenth Street, #1850
Title Executive Vice-President Denver, CO 80202
Date 8/29/94 Phone (303) 295-0400

Comments:

(State use only)

Transfer approved by [Signature] Title UIC ManagerApproval Date 9-15-94

WELL STATUS REPORTS
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM 8910035090 WHITE RIVER GR PARACHUTE									
8910035090	✓430471508200D2	17-10	SWNW	10	8S	22E	WIW	UTU43918 <i>W/W</i>	FLYING J EXPLORATION COMP
8910035090	✓430471508400D2	20-9	NESW	9	8S	22E	OSI	UTU058	FLYING J EXPLORATION COMP
8910035090	✓430471509000S1	31-4	SWSE	4	8S	22E	WSW	UTU02520A <i>PA'd 7/68</i>	FLYING J EXPLORATION COMP
** INSPECTION ITEM 891003509B WHITE RIVER WS A									
891003509B	430471507700S1	3	NWNW	25	8S	22E	ABD	UTU0629 <i>PA'd 12/93</i>	FLYING J EXPLORATION COMP
** INSPECTION ITEM 891003509D WHITE RIVER GR B									
891003509D	✓430471508000S1	15-9	NESE	9	8S	22E	OSI	UTU43915	FLYING J EXPLORATION COMP
891003509D	✓430471508100S1	16-9	SWSE	9	8S	22E	POW	UTU43915	FLYING J EXPLORATION COMP
891003509D	✓430471508200D1	17-10	SWNW	10	8S	22E	WIW	UTU43918 <i>W/W</i>	FLYING J EXPLORATION COMP
891003509D	✓430471508300S1	19-9	SWNE	9	8S	22E	WIW	UTU0971 <i>W/W</i>	FLYING J EXPLORATION COMP
891003509D	✓430471508400D1	20-9	NESW	9	8S	22E	OSI	UTU43915	FLYING J EXPLORATION COMP
891003509D	✓430471508500S1	24-10	NESW	10	8S	22E	OSI	UTU43915	FLYING J EXPLORATION COMP
891003509D	✓430471508700S1	25-9	NENE	9	8S	22E	MW	UTU0971	FLYING J EXPLORATION COMP
891003509D	✓430471508600S1	27-10	SWNE	10	8S	22E	POW	UTU43918	FLYING J EXPLORATION COMP
891003509D	✓430473148100S1	46-9	SESE	9	8S	22E	POW	UTU43915	FLYING J EXPLORATION COMP

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☐ OTHER:2. Name of Operator:
CHANDLER & ASSOCIATES, INC.3. Address and Telephone Number:
555 17th Street, #1850 Anaconda Tower, Denver, CO 80202/(303) 295-0400

4. Location of Well See below.

Footages:

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

WHITE RIVER UNIT

8. Well Name and Number:

9. API Well Number:

10. Field and Pool, or Wildcat:

County: UINTAH

State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other DESIGNATION AS OPERATOR | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

13 8-6-12-94
Effective 6/1/94, Chandler & Associates, Inc. became operator of the White River Unit.
Previous operator was Flying J Exploration & Production, Inc.
Wells included in the unit are:

WELL	LEGAL	API#
31-4	8S-22E-4: SWSE, SLM	43-047-15090 (PA'D)
15-9	9: NESE, "	43-047-15080
16-9	9: SWSE, "	43-047-15081
19-9	9: SWNE, "	43-047-15083 (WLD)
20-9	9: NESW, "	43-047-15084
25-9	9: NENE, "	43-047-15087
46-9	9: SESE, "	43-047-31481
17-10	10: SWNW, "	43-047-15082 (WLD)
24-10	10: NESW, "	43-047-15085
27-10	10: SWNE, "	43-047-15086

CHANDLER - ASSOCIATES, INC.
Name & Signature: *Michael L. Solich* Title: *E.V.P.* Date: *6/13/94*

(This space for State use only)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

6. If Indian, Alkotee or Tribe Name:

7. Unit Agreement Name:
WHITE RIVER UNIT

8. Well Name and Number:

9. API Well Number:

10. Field and Pool, or Wildcat:

1. Type of Well: OIL ☐ GAS ☐ OTHER:

2. Name of Operator:

FLYING J EXPLORATION & PRODUCTION, INC.

3. Address and Telephone Number:

P. O. Box 540180, North Salt Lake, UT 84054-0180/(801) 298-7733

4. Location of Well

Footages:

See below

County: UINTAH

State: UTAH

QQ, Sec., T., R., M.:

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT

(Submit in Duplicate)

- ☐ Abandonment ☐ New Construction
☐ Casing Repair ☐ Pull or Alter Casing
☐ Change of Plans ☐ Recompletion
☐ Conversion to Injection ☐ Shoot or Acidize
☐ Fracture Treat ☐ Vent or Flare
☐ Multiple Completion ☐ Water Shut-Off
☒ Other RESIGNATION AS OPERATOR

Approximate date work will start _____

SUBSEQUENT REPORT

(Submit Original Form Only)

- ☐ Abandonment * ☐ New Construction
☐ Casing Repair ☐ Pull or Alter Casing
☐ Change of Plans ☐ Shoot or Acidize
☐ Conversion to Injection ☐ Vent or Flare
☐ Fracture Treat ☐ Water Shut-Off
☐ Other _____

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective 6/13/94, Flying J Exploration & Production, Inc. resigned as operator. The new operator is Chandler & Associates, Inc.

The wells included in the unit are:

WELL	LEGAL	API# (if known)
31-4	8S-22E-4: SWSE, SLM	43-047-15090
15-9	9: NESE, "	43-047-15080
16-9	9: SWSE, "	43-047-15081
19-9	9: SWNE, "	43-047-15083
20-9	9: NESW, "	43-047-15084
25-9	9: NENE, "	43-047-15087
46-9	9: SESE, "	43-047-31481
17-10	10: SWNW, "	43-047-15082
24-10	10: NESW, "	43-047-15085
127-10	10: SWNE, "	43-047-15086

Name & Signature:

JAMES W. WILSON

Title:

VICE PRESIDENT OPERATIONS Date: 6/10/94

(This space for State use only)



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

June 16, 1994

James W. Wilson
Flying J Exploration & Production Inc.
P. O. Box 540180
N. Salt Lake City, Utah 84504-0180

RE: Operator From Flying J E&P Inc. to Chandler & Associates
White River Unit 19-9 and White River Unit 17-10 Wells

Dear Mr. Wilson:

As discussed over the phone today, additional paperwork is required for the wells listed above, in order for the Division to grant a change of operator. Enclosed are copies of UIC Form 5 "Transfer of Authority to Inject". The form's need to be completed by both operators.

Should you have any questions regarding this matter, please contact me at (801)538-5340.

Sincerely,

Lisha Cordova
Administrative Analyst

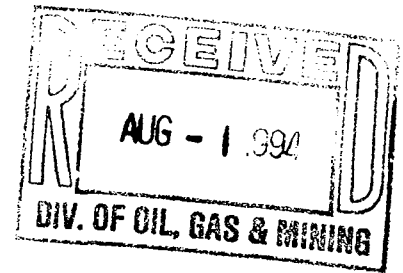
Enclosure

* 940803 2nd Rg. UIC F5. J



COPY

Bureau of Land Management
Branch of Fluid Minerals
P.O. Box 45155
Salt Lake City, Utah 84145-0155



July 29, 1994

Chandler & Associates, Inc.
555 17th Street
#1850 Anaconda Tower
Denver, Colorado 80202

RE: White River Unit
Uintah County, Utah

Gentlemen:

On July 28, 1994, we received an indenture dated June 13, 1994, whereby Flying J Oil & Gas Inc. resigned as Unit Operator and Chandler & Associates, Inc. was designated as Successor Unit Operator for the White River Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective July 29, 1994.

Your statewide (Utah) oil and gas bond No. 0969 will be used to cover all operations within the White River Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks
Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

cc: Flying J Oil & Gas Inc.

bcc: District Manager - Vernal (w/enclosure)
Division of Oil, Gas & Mining
Division of Lands and Mineral Operations
File - White River Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

U-922:TAThompson:tt:07-29-94

4RB



FLYING J OIL & GAS INC.

333 WEST CENTER STREET - P.O. BOX 540180 • NORTH SALT LAKE, UTAH 84054-0180
PHONE (801) 298-7733 • FAX (801) 298-9394

August 4, 1994

Chandler & Associates, Inc.
ATTN: Mr Mitchell I Solich
Executive Vice President
555 17th Street, Suite 1850
Denver, Colorado 80202

RE: Utah Division of Oil, Gas & Mining Transfers of Authority to Inject

Dear Mr. Solich:

Flying J Oil & Gas Inc. requests that you execute the enclosed Utah Division of Oil, Gas & Mining forms (UIC Form 5), authorizing the transfer of authority to inject water in the White River Unit wells #19-9 and #17-10. The Division of Oil, Gas & Mining has requested that Flying J submit these forms to finalize the transfer of the White River Unit to Chandler & Associates, Inc. Then, once executed, would you please return the forms to us so that we may file them appropriately with the Division of Oil, Gas & Mining? Thank you for your attention to this matter.

Sincerely,

James W. Wilson
Vice President, Operations

JWW/ehh

Enclosures

u:\users\product\chndlr\jww

FILE COPY

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1- LRC / CYL
2-LWP 7-PL
3-DTS/SS-SJ
4-VLC 9-FILE
5-RJF
6-LWP

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 6-13-94)

TO (new operator)	<u>CHANDLER & ASSOCIATES INC</u>	FROM (former operator)	<u>FLYING J EXPL & PROD INC</u>
(address)	<u>555 17TH ST 1850</u>	(address)	<u>PO BOX 540180</u>
	<u>DENVER CO 80202</u>		<u>N SLC UT 84504-0180</u>
			<u>JAMES WILSON, V.P. OPER.</u>
phone	<u>(303) 295-0400</u>	phone	<u>(801) 298-7733</u>
account no.	<u>N 3320</u>	account no.	<u>N 1190</u>

Well(s) (attach additional page if needed): ***WHITE RIVER UNIT**

Name: <u>(SEE ATTACHMENT)</u>	API: <u>047-15083</u>	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Sec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 6-14-94)*
- Sec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 6-14-94)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- Sec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(8-3-94 O&G wells only) (9-15-94 2/wiw)*
- Sup 6. Cardex file has been updated for each well listed above. *9-16-94*
- Sup 7. Well file labels have been updated for each well listed above. *9-16-94*
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(8-3-94 O&G wells only) (9-15-94 2/wiw)*
- Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) (no) (If entity assignments were changed, attach copies of Form 6, Entity Action Form). Entity 4915 "GREG B.P.A."
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- N/A 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: September 23 1994.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

940803 Bmc/S.Y. Approved off. 7-29-94.

940803 Flying G / John Baza "Req. UIC F5 "Transfer of Auth. to Inj". (Rec'd 9-15-94)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

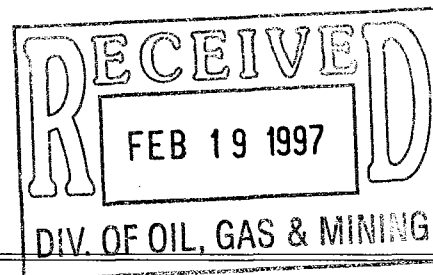
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
 Use APPLICATION FOR PERMIT – for such proposals

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify) _____		6. Lease Designation and Serial Number U-0971
2. Name of Operator Chandler & Associates, Inc.		7. Indian Allottee or Tribe Name
3. Address of Operator 475 17th Street, Suite 1000, Denver, CO 80202	4. Telephone Number 970-675-8451	8. Unit or Communitization Agreement
5. Location of Well Footage : 2019' FNL, 1869' FEL County : Uintah QQ, Sec, T., R., M. : SWNE Sec. 9, T8S, R22E State : Utah		9. Well Name and Number WR Unit 19-9
10. API Well Number 43-047-15083		11. Field and Pool, or Wildcat White River

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																											
<p style="text-align: center;">NOTICE OF INTENT (Submit in Duplicate)</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Abandonment</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Recompletion</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Multiple Completion</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td colspan="2"><input checked="" type="checkbox"/> Other <u>Rig Storage</u></td> </tr> </table> <p>Approximate Date Work Will Start _____</p>	<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input checked="" type="checkbox"/> Other <u>Rig Storage</u>		<p style="text-align: center;">SUBSEQUENT REPORT (Submit Original Form Only)</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Abandonment *</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Other _____</td> </tr> </table> <p>Date of Work Completion _____</p> <p>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.</p> <p>* Must be accompanied by a cement verification report.</p>	<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____	
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<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off																										
<input type="checkbox"/> Other _____																											

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Permission is requested to store Chandler Drilling Rig #1 on the above location for 30 days or until it is needed elsewhere.



14. I hereby certify that the foregoing is true and correct

Name & Signature Jim Simonton

(State Use Only)

Jim Simonton jp

Title Oper. Supervisor Date 02/17/97

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

U-0971

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

White River Unit

8. Well Name and No.

White River Unit 19-9

9. API Well No.

43-047-15083

10. Field and Pool, or Exploratory Area

White River

11. County or Parish, State

Uintah County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil ☐ Gas ☒ Other
☐ Well ☐ Well

Water Injection Well

2. Name of Operator

Chandler & Associates, Inc.

3. Address and Telephone No.

475 17th Street, Suite 1000, Denver, CO 80202 970-675-8451

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

2019' FNI, 1869' FEL, SWNE Sec. 9, T8S, R22E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

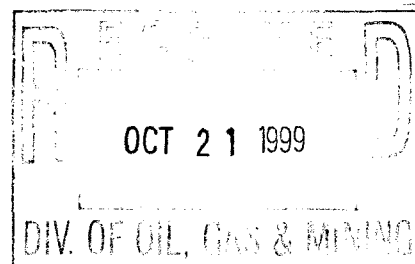
☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Shut-in

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

As of 7-1-99, this well is shut-in. All produced water from the White River Unit is being injected into the Glen Bench injection wells or hauled to a State approved disposal pit.



14. I hereby certify that the foregoing is true and correct

Signed

Jim Simonson

Title **Operations/Production Supervisor**

Date

10/19/99

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

***See Instructions on Reverse Side**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT -- for such proposals		6. Lease Designation and Serial Number 7. Indian Allottee or Tribe Name 8. Unit or Communitization Agreement 9. Well Name and Number 10. API Well Number 11. Field and Pool, or Wildcat
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		
2. Name of Operator <i>Shenandoah Energy Inc.</i>		
3. Address of Operator <i>475 17th Street, Suite #1000 Denver, Colorado 80202</i>	4. Telephone Number <i>303-295-0400</i>	
5. Location of Well Footage : Please see attached spreadsheet County : QQ, Sec, T., R., M. : State :		
12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		

NOTICE OF INTENT
 (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
 (Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please be advised that effective 1/1/200 Chandler & Associates, Inc has changed its name to Shenandoah Energy Inc. Shenandoah Energy Inc. is responsible under the terms and conditions of the lease for the operation conducted upon the leased lands.

Shenandoah Energy Inc. is bonded in the amount of \$80,000.00 to the School and Inst. Trust Lands via a name change rider filed with the State. Continental Casualty Bond # 159261960.

14. I hereby certify that the foregoing is true and correct.

Name & Signature Thomas D. Taylor

Title Production Geologist

Date 05/25/2000

(State Use Only)

RECEIVED

MAY 30 2000

**DIVISION OF
OIL, GAS AND MINING**

SHENANDOAH ENERGY INC.
UTAH OPERATED WELLS

A.P.I. #	ENTITY	WELL NAME	WELL #	LOCATION	FIELD NAME	PROD. ZONE	FORMATION	WELL TYPE	AGREEMENT
43-047-15090-00	04915	WRU	#31-4	SWSE 4, 8S-22E	WHITE RIVER		GREENRIVER	WSW	8910035090
43-047-15081-00	04915	WRU	#16-9	SWSE 9, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	891003509D
43-047-15084-00	04915	WRU	#20-9	NESW 9, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	891003509D
43-047-15087-00	04915	WRU	#25-9	NENE 9, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	891003509D
43-047-31354-00	05170	WRU	#43-16	NENW 16, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	
43-047-31399-00	09915	WRU	#45-16	NENE 16, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	
43-047-32052-00	11468	DESERT SPRINGS FED.	#20-1	NESW 20, 10S-18E	WILDCAT	GRRV	GREEN RIVER	OW	
43-013-32088-00	12497	W. DESERT SPRING	#11-20	NESW 20, 10S-17E	WILDCAT	WSTC	WASATCH	OW	
43-013-32057-00	12497	W. RIVER BEND	#16-17-10-17	SESE 17, 10S-17E	WILDCAT	GRRV	GREEN RIVER	OW	
43-013-31888-00	12497	W. RIVER BEND	#3-12-10-15	NENW 12, 10S-15E	WILDCAT	GRRV	GREEN RIVER	OW	
43-013-32084-00	12497	WILKIN RIDGE	#13-23	SWSW 23, 10S-16E	WILDCAT	WSTC	GREEN RIVER	OW	
43-047-33163-00		DESERT SPRING	#7-30-10-18	SWNE 30, T10S-R18E	APD	WSTC			

RECEIVED

MAY 30 2000

DIVISION OF
OIL, GAS AND MINING

RECEIVED

MAY 30 2000

DIVISION OF OIL, GAS AND MINING

SHENANDOAH ENERGY INC. UTAH OPERATED WELLS

A.P.I. #	ENTITY	WELL NAME	WELL #	LOCATION	FIELD NAME	PROD. ZONE	FORMATION	WELL TYPE	AGREEMENT
43-015-30168-00	10684	BUZZARD BENCH FED	#6-3	SENW 3, 19S-7E	BUZZARD BENCH	FRSD	FERRON	GW	8910204190
43-015-30229-00	10670	BUZZARD BENCH FED	#3-24	SESW 3, 19S-7E	BUZZARD BENCH	FRSD	FERRON	GW	8910204190
43-015-30110-00	10685	FERRON FED	#16-20	SESE 20, 17S-8E	BUZZARD BENCH	FRSD	FERRON	OW	
43-015-30257-00	11837	FERRON FEDERAL	#7-12-19-7	SWNE 12, 19S-7E	BUZZARD BENCH	FRSD	UPPER FERRON	GW	
43-015-30000-00		FERRON FEDERAL	#16-9-10-7	SESE 9, 19S-7E	FERRON		FERRON	DRG	
43-015-3025300	11836	FERRON STATE	#4-36	SWNW 36, 18S-7E	BUZZARD BENCH	FRSD	FERRON	GW	
43-015-30222-00	11029	ORANGEVILLE FED	#1-11	NENE 11, 19S-7E	BUZZARD BENCH	FRSD	UPPER FERRON	GW	891020388A
43-015-30221-00	10600	ORANGEVILLE FED	#4-1	NWNW 1, 19S-7E	BUZZARD BENCH	FRSD	UPPER FERRON	GW	
43-015-30102-00	10920	ORANGEVILLE ST	#1-36	SESE 36, 18S-7E	BUZZARD BENCH	FRSD	UPPER FERRON	GW	8910203880
43-015-30179-00	00535	ORANGEVILLE STATE	#10-2	NWSE 2, 19S-7E	BUZZARD BENCH	FRSD	LOWER FERRON	GW	891020388A
43-015-30108-00	10978	ORANGEVILLE UNIT	#16-6	SESE 6, 18S-8E	BUZZARD BENCH	FRSD	FERRON	OW	
43-047-33164-00	12496	DESERT SPRING	#16-19-10-18	SESE 19, 10S-18E	DESERT SPRING	GRRV	GREEN RIVER	OW	
43-047-3316200	12523	DESERT SPRING	#3-29-10-18	NWNE 29, 10S-18E	DESERT SPRING	GRRV	GREEN RIVER	OW	
43-047-32493-00	11630	E COYOTE FEDERAL	#14-4-8-25	SESW 4, 8S-25E	EAST COYOTE FEDERAL	GRRV	GREENRIVER	OW	
43-047-31555-00	09497	ANTELOPE DRAW	#2-17-4C	SESW 17, 8S-22E	GLEN BENCH	GRRV	GREENRIVER	OW	UTU73974X
43-047-31556-00	09498	ANTELOPE DRAW	#3-17-3C	SESE 17, 8S-22E	GLEN BENCH	GRRV	GREENRIVER	OW	UTU73974X
43-047-32476-00	11862	GLEN BENCH	#8-19	SENE 19, 8S-22E	GLEN BENCH	GRRV	GREENRIVER	OW	UTU73974X
43-047-31257-00	11587	GLEN BENCH FED	#44-19	L 20 19, 8S-22W	GLEN BENCH	GRRV	GREEN RIVER	OW	UTU73974X
43-047-31355-00	11588	GLEN BENCH FED	#13-20	NWSW 20, 8S-22E	GLEN BENCH	GRRV	GREENRIVER	OW	UTU73974X
43-047-31356-00	06135	GLEN BENCH FED	#22-20	SENW 20, 8S-22E	GLEN BENCH		GREEN RIVER	WIW	UTU73974X
43-047-31433-00	06196	GLEN BENCH FED	#31-20	NWNE 20, 8S-22E	GLEN BENCH	GRRV	GREENRIVER	OW	UTU73974X
43-047-31008-00	06045	GLEN BENCH FED	#31-30	L 6 30, 8S-22E	GLEN BENCH	GRRV	GREEN RIVER	OW	UTU73974X
43-047-31260-00	06050	GLEN BENCH FED	#22-30	SENW 30, 8S-22E	GLEN BENCH	GRRV	GREEN RIVER	OW	UTU73974X
43-047-32549-00	11716	GLEN BENCH STATE	#6-16	SENW 16, 8S-22E	GLEN BENCH	GRRV	GREENRIVER	OW	UTU73974X
43-047-32582-00	11716	GLEN BENCH STATE	#7-16	SENE 16, 8S-22E	GLEN BENCH		GREENRIVER	WIW	UTU73974X
43-047-32583-00	11732	GLEN BENCH STATE	#12-16	NWSW 16, 8S-22E	GLEN BENCH		GREENRIVER	WIW	UTU73974X
43-047-32756-00	11955	GLEN BENCH UNIT	#15-19-8-22	SWSE 19, 8S-22E	GLEN BENCH		GREEN RIVER	WIW	UTU73974X
43-047-32755-00	12014	GLEN BENCH UNIT	#4-30-8-22	NWNW 30, 8S-22E	GLEN BENCH	GRRV	GREEN RIVER	OW	UTU73974X
43-047-32857-00	12219	GLEN BENCH UNIT	#11-16-8-22	NESW 16, 8S-22E	GLEN BENCH	GRGBS	GREEN RIVER	OW	UTU73974X
43-013-3147700	12248	UTD WALTON	#26-03	NENW 26, 9S-16E	MONUMENT BUTTE	GRRV	GREEN RIVER	OW	
43-047-33252-00	12527	GLEN BENCH STATE	#2-36-8-21	NENW 36, 8S-21E	NATURAL BUTTES	WSTC	WASATCH	GW	
43-047-33037-00	12377	GLEN BENCH STATE	#8A-36-8-21	SWNE 36, 8S-21E	NATURAL BUTTES	WSTC	WASATCH	GW	
43-047-33038-00	12378	GLEN BENCH STATE	#6-36-8-21	SENW 36, 8S-21E	NATURAL BUTTES	WSTC	WASATCH	GW	
43-047-32746-00	11944	SAGE GROUSE FEDERAL	#6-14-8-22	SENW 14, 8S-22E	NATURAL BUTTES	GRRV	GREEN RIVER	GW	
43-047-32724-00	12361	SAGE GROUSE FEDERAL	#8-36-8-21	SENE 36, 8S-21E	NATURAL BUTTES	GRRV	GREEN RIVER	GW	
43-047-3309500	12528	WHITE RIVER UNIT	#13-35-8-22	SWSW 35, 8S-22E	NATURAL BUTTES	WSTC	WASATCH	GW	891003509B
43-047-3306100	12528	WHITE RIVER UNIT	#15-35-8-22	SWSE 35, 8S-22E	NATURAL BUTTES	WSTC	WASATCH	GW	891003509B
43-047-3275400	12003	FLU KNOLLS FED.	#23-3	NESW 3, 10S-18E	UTELAND BUTTE	GRRV	GREEN RIVER	OW	
43-047-15083-00	04915	WHITE RIVER UNIT	#19-9	SWNE 9, 8S-22E	WHITE RIVER		GREENRIVER	WIW	891003509D
43-047-15080-00	04915	WRU	#15-9	NESE 9, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	891003509D
43-047-15085-00	04915	WRU	#24-10	NESW 10, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	891003509D
43-047-15086-00	04915	WRU	#27-10	SWNE 10, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	891003509D
43-047-31561-00	10000	WRU	#47-10	L1 10, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

In Reply Refer To:
3100
U-058 et al
(UT-932)

JUN 5 2000

NOTICE

Shenandoah Operating Company, LLC : Oil and Gas Leases
475 17th Street, Suite 1000 :
Denver, CO 80202 :

Name Change Recognized

Acceptable evidence has been received in this office concerning the change of name of Chandler & Associates, LLC to Shenandoah Operating Company, LLC on Federal oil and gas leases.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our automated records system. We have not abstracted the lease files to determine if the entity affected by the name change holds an interest in the leases identified nor have we attempted to identify leases where the entity is the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the name change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

A rider to statewide Surety Bond No. 124 29 03 64 (BLM Bond No. UT0969) changing the name on the bond from Chandler & Associates, LLC to Shenandoah Energy Inc. has been accepted by this office effective January 26, 2000. However, the rider makes no mention of Shenandoah Operating Company, LLC. A rider to the above bond adding the name of Shenandoah Operating Company, LLC needs to be submitted to this office.

/s/ Robert Lopez

Robert Lopez
Chief, Branch of
Minerals Adjudication

Enclosure
Exhibit of Leases

RECEIVED

JUN 06 2000

DIVISION OF
OIL, GAS AND MINING

cc: Moab Field Office
Vernal Field Office
MMS-Reference Data Branch, MS 3130, Box 5860, Denver, CO 80217
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC, UT 84114-5801
Irene Anderson (UT-932)
Teresa Thompson (UT-931)
LaVerne Steah (UT-942)

RECEIVED

JUN 06 2000

DIVISION OF
OIL, GAS AND MINING

EXHIBIT A
LEASES AFFECTED BY NAME CHANGE

U-058	UTU-64911	UTU-72468	UTU-74494	UTU-75102
U-059	UTU-64912	UTU-72598	UTU-74493	UTU-75103
U-0629	UTU-65276	UTU-72634	UTU-74496	UTU-75116
U-0803	UTU-65485	UTU-72649	UTU-74830	UTU-75243
U-0971	UTU-65632	UTU-73182	UTU-74831	UTU-75503
U-0971-A	UTU-65771	UTU-73409	UTU-74832	UTU-75678
U-01089	UTU-65777	UTU-73443	UTU-74833	UTU-75684
U-02510-A	UTU-66014	UTU-73456	UTU-74834	UTU-76278
U-029649	UTU-66473	UTU-73482	UTU-74836	UTU-76482
U-9613	UTU-67844	UTU-73502	UTU-74842	UTU-76721
U-9617	UTU-68387	UTU-73680	UTU-74966	UTU-76835
U-9809	UTU-68620	UTU-73681	UTU-74967	UTU-76963
U-18126	UTU-69001	UTU-73684	UTU-74968	UTU-77061
U-18134	UTU-69402	UTU-73686	UTU-74971	UTU-77063
U-18889-A	UTU-65404	UTU-73687	UTU-75071	UTU-77301
U-18897-A	UTU-67532	UTU-73914	UTU-75076	UTU-77503
U-28652	UTU-69403	UTU-73917	UTU-75079	UTU-77508
U-43915	UTU-71407	UTU-74374	UTU-75080	UTU-77514
U-43916	UTU-71416	UTU-74380	UTU-75081	UTU-78021
U-43918	UTU-71432	UTU-74394	UTU-75082	UTU-78028
U-51015	UTU-72002	UTU-74401	UTU-75083	UTU-78029
U-56947	UTU-72066	UTU-74402	UTU-75084	UTU-78215
U-63150	UTU-72109	UTU-74407	UTU-75085	UTU-78216
UTU-64906	UTU-72118	UTU-74408	UTU-75086	
UTU-64907	UTU-72356	UTU-74419	UTU-75087	
UTU-64908	UTU-72467	UTU-74457	UTU-75088	

U-63021X (White River Unit)
U-63083X (Buzzard Bench Unit)

U-63079X (Orangeville Unit)
UTU-73974X (Glen Bench Unit)

RECEIVED

JUN 06 2000

DIVISION OF
OIL, GAS AND MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

IN REPLY REFER TO
UT-931

August 24, 2000

Attn: Scott M. Webb
Shenandoah Energy Inc.
465 17th Street, Suite 1000
Denver, Colorado 80202

Re: White River Unit
Uintah County, Utah

Gentlemen:

On August 24, 2000, we received an indenture dated August 18, 2000, whereby Shenandoah Operating Company, L.L.C. resigned as Unit Operator and Shenandoah Energy Inc. was designated as Successor Unit Operator for the White River Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective August 24, 2000. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the White River Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0969 will be used to cover all operations within the White River Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)
Division of Oil, Gas & Mining
Minerals Adjudication Group U-932
File - White River Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

UT931:TAThompson:tt:8/24/00

WHITE RIVER PI OIL			
Participating Area	MMS Number	LR2000 Number	Percent Federal
UNIT	<u>891003509X</u>	<u>UTU63021X</u>	100.00%
GREEN RIVER "B" PA	<u>891003509D</u>	<u>UTU63021D</u>	100.00%
GREEN RIVER PA	<u>891003509A</u>	<u>UTU63021A</u>	100.00%
GREEN RIVER PARACHUTE CREEK PA	<u>8910035090</u>	<u>UTU63021O</u>	100.00%
WASATCH "B" PA	<u>891003509C</u>	<u>UTU63021C</u>	100.00%
WASATCH PA	<u>891003509B</u>	<u>UTU63021B</u>	100.00%

DISCLAIMER for online data: No warranty is made by the BLM for use of the data for purposes not intended by the BLM.

Results of query for MMS Account Number 8910035090

API Number	Operator	Well Name	Well Status	Lease or CA Number	Inspection Item	Township	Range	Section	Quarter/
4304715082	CHANDLER & ASSOCIATES LLC	17-10 WHITE RIVER	ABD	UTU43918	8910035090	8S	22E	10	SWNW
4304715084	CHANDLER & ASSOCIATES LLC	20-9 WHITE RIVER	PGW	UTU74494	8910035090	8S	22E	9	NESW
4304715090	CHANDLER & ASSOCIATES LLC	31-4 WHITE RIVER	WSW	UTU02510A	8910035090	8S	22E	4	SWSE

DISCLAIMER for online data: No warranty is made by the BLM for use of the data for purposes not intended by the BLM.

Results of query for MMS Account Number 891003509D

API Number	Operator	Well Name	Well Status	Lease or CA Number	Inspection Item	Township	Range	Section	Quarter/(
4304715080	CHANDLER & ASSOCIATES LLC	15-9 WHITE RIVER	TA	UTU43915	891003509D	8S	22E	9	NESE
4304715081	CHANDLER & ASSOCIATES LLC	16-9 WHITE RIVER	POW	UTU43915	891003509D	8S	22E	9	SWSE
4304715083	CHANDLER & ASSOCIATES LLC	19-9 WHITE RIVER	WIWSI	UTU0971	891003509D	8S	22E	9	SWNE
4304715085	CHANDLER & ASSOCIATES LLC	24-10 WHITE RIVER	TA	UTU74494	891003509D	8S	22E	10	NESW
4304715086	CHANDLER & ASSOCIATES LLC	27-10 WHITE RIVER	TA	UTU43918	891003509D	8S	22E	10	SWNE
4304715087	CHANDLER & ASSOCIATES LLC	25-9 WHITE RIVER	TA	UTU0971	891003509D	8S	22E	9	NENE
4304731481	CHANDLER & ASSOCIATES LLC	46-9 WHITE RIVER	P+A	UTU43915	891003509D	8S	22E	9	SESE

DISCLAIMER for online data: No warranty is made by the BLM for use of the data for purposes not intended by the BLM.

Results of query for MMS Account Number 891003509B

API Number	Operator	Well Name	Well Status	Lease or CA Number	Inspection Item	Township	Range	Section	
4304715077	CHANDLER & ASSOCIATES LLC	3 ALAMO-WHITE RIVER	P+A	UTU0629	891003509B	8S	22E	25	
4304733061	CHANDLER & ASSOCIATES LLC	15-35-8-22	PGW	UTU01089	891003509B	8S	22E	35	
4304733095	CHANDLER & ASSOCIATES LLC	13-35	PGW	UTU01089	891003509B	8S	22E	35	

DISCLAIMER for online data: No warranty is made by the BLM for use of the data for purposes not intended by the BLM.

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH	<input checked="" type="checkbox"/>	4-KAS	<input checked="" type="checkbox"/>
2. CDW	<input checked="" type="checkbox"/>	5-870	<input checked="" type="checkbox"/>
3. JLT		6-FILE	

Enter date after each listed item is completed

X Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

Merger

The operator of the well(s) listed below has changed, effective: **08/24/2000**

FROM: (Old Operator):
CHANDLER & ASSOCIATES
Address: 475 17TH STREET STE 1000
DENVER, CO 80202
Phone: 1-(303)-295-0400
Account No. N3320

TO: (New Operator):
SHENANDOAH ENERGY INC
Address: 475 17TH STREET STE 1000
DENVER, CO 80202
Phone: 1-(303)-295-0400
Account No. N4235

CA No.

Unit:

WELL(S)

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
WHITE RIVER UNIT 19-9	43-047-15083	99996	09-08S-22E	FEDERAL	WI	I
WHITE RIVER UNIT 15-35-8-22	43-047-33061	12528	35-08S-22E	FEDERAL	GW	P
WHITE RIVER UNIT 13-35-8-22	43-047-33095	12528	35-08S-22E	FEDERAL	GW	P

OPERATOR CHANGES DOCUMENTATION

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 05/30/2000
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 05/30/2000
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 11/02/2000
- Is the new operator registered in the State of Utah: YES Business Number: 1467732-0143
- If **NO**, the operator was contacted on: _____
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 06/24/2000
- Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A

8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A

9. **Underground Injection Control ("UIC") Prog:** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 11/06/2000
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 11/06/2000
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE BOND VERIFICATION:

1. State well(s) covered by Bond No.: N/A

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: YES
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

FILMING:

1. All attachments to this form have been **MICROFILMED** on: 3.2.01

FILING:

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: _____

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number SEE ATTACHMENT	API Number
Location of Well Footage : _____ County : _____ QQ, Section, Township, Range: _____ State : UTAH	Field or Unit Name Lease Designation and Number

EFFECTIVE DATE OF TRANSFER: _____

CURRENT OPERATOR

Company: CHANDLER & ASSOCIATES
Address: 475 17TH ST #1000
city DENVER state CO zip 80202
Phone: _____
Comments:

Name: JAMES A SIMONTON
Signature: *James A Simonton*
Title: Operations Supervisor
Date: _____

NEW OPERATOR

Company: SHENANDOAH ENERGY INC.
Address: 11002 E. 17500 S.
city VERNAL state UT zip 84078
Phone: 435-781-4300
Comments:

Name: J.T. CONLEY
Signature: *J.T. Conley*
Title: DISTRICT MANAGER
Date: 10-19-00

(This space for State use only)

Transfer approved by: *[Signature]*
Title: Tech. Services Manager

Approval Date: 11/14/00

Comments: The 19-9 well failed an MIT on 11/4/00.
Injection cannot continue until it has been
repaired and tested.

GB #22-20
GB STATE #7-16
GB STATE #12-16
GBU #15-19-8-22
WRU #19-9

SENW SEC 20, T8S, R22E ✓
SWNE SEC16, T8S, R22E ✓
NWSW SEC 16, T8S, R22E ✓
SWSE SEC 19, T8S, R22E ✓
SWNE SEC 9, T8S, R22E ✓

UT2755-04235
UT2803-04335
UT2765-04248
UT2806-04338
UT2000-02549

SHENANDOAH ENERGY INC.

11002 East 17500 South
Vernal, Utah 80478
(435) 781-4300
Fax (435) 781-4329

November 4, 2000

**Mr. Al Craver
UIC Program
United States Environmental Protection Agency
Region VIII
999 18th STREET - SUITE 300
DENVER, CO 80202-2466
8ENF-T**

**White River Unit
Uintah County, Utah
White River Unit #19-9
EPA ID# UT2000-02549**

*43-047-15083
Sec. 9, 85, 22E*

RE: Notification of MIT Failure

Dear Mr. Craver:

The captioned Class II ER water injection well did not pass a recent MIT. The well is not an active injector. We are presently reviewing the well and will forward our corrective plan and procedure for the well very soon.

If you have questions or need additional information, please contact me at 435-781-4301.

Sincerely,


**J. T. Conley
District Manager**

cc Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, UT 84114-5801
Attn. Mr. Gil Hunt

U.S Department of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078

RECEIVED

NOV 8 2000

DIVISION OF
OIL, GAS AND MINING

SHENANDOAH ENERGY INC.

11002 East 17500 South
Vernal, Utah 80478
(435) 781-4300
Fax (435) 781-4329

November 30, 2000

Mr. Al Craver
UIC Program
United States Environmental Protection Agency
Region VIII
999 18th STREET - SUITE 300
DENVER, CO 80202-2466
8ENF-T

White River Unit
Uintah County, Utah
White River Unit #19-9
EPA ID# UT2000-02549

43-047-15083 Sec. 9, 8S 22E

RE: Plug & Abandon Injection Well

Dear Mr. Craver:

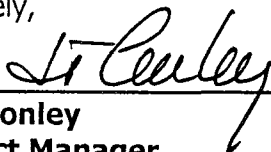
The captioned Class II ER water injection well did not pass a recent MIT. The well is not an active injector. We have reviewed the wells utility and intend to abandon this well. An outline of the P&A procedure is as follows:

1. Cement squeeze the perforations under a CICR at ~5400'.
2. Perforate and cement squeeze the Mahogany Shale Formation top, depth provided by BLM.
3. Perforate and cement squeeze the Green River Formation top, depth provided by BLM.
4. Perforate under the surface casing shoe and circulate and/or squeeze the shoe.
5. Circulate and fill the 5½" casing back to surface from below the surface casing shoe.
6. Remove the wellhead and reclaim the surface location per BLM guidelines.

This procedure may be altered by the BLM conditions of approval and/or actual well conditions encountered during the abandonment. This work will commence as soon as we receive your concurrence of the proposed P&A outline.

If you have questions or need additional information, please contact me at 435-781-4301.

Sincerely,



J. T. Conley
District Manager

cc Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, UT 84114-5801
Attn. Mr. Gil Hunt

U.S Department of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078

RECEIVED
DEC 6 4 2000
DIVISION OF
OIL, GAS AND MINING

SHENANDOAH ENERGY INC.

11002 East 17500 South
Vernal, Utah 80478
(435) 781-4300
Fax (435) 781-4329

December 6, 2000

**Mr. Al Craver
UIC Program
United States Environmental Protection Agency
Region VIII
999 18th STREET - SUITE 300
DENVER, CO 80202-2466
8ENF-T**

**White River Unit
Uintah County, Utah
White River Unit #19-9
EPA ID# UT2000-02549**

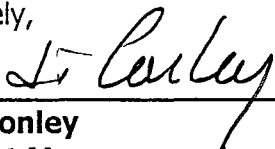
*43 047 15083
83 22E 9*

RE: Plugging & Abandonment Plan: Form 7520-14

Dear Mr. Craver:

Please find attached the Plugging and Abandonment Plan for the captioned well. This outline and procedure may be altered by the BLM conditions of approval and/or actual well conditions encountered during the abandonment wellwork. This work will be scheduled and commence as soon as we receive your concurrence of the plan.

Sincerely,



**J. T. Conley
District Manager**

cc Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, UT 84114-5801
Attn. Mr. Gil Hunt

U.S Department of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078

**EPA**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460**PLUGGING AND ABANDONMENT PLAN**

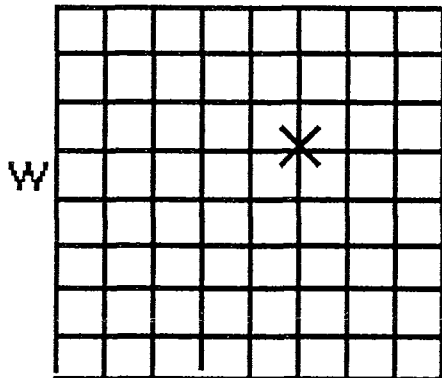
NAME AND ADDRESS OF FACILITY

White River Unit #19-9

NAME AND ADDRESS OF OWNER/OPERATOR

Shenandoah Energy Inc.
11002 East 17500 South
Vernal, Utah 84078LOCATE WELL AND OUTLINE UNIT ON
SECTION PLAT -- 640 ACRES

N



S

STATE

Utah

COUNTY

Uintah

PERMIT NUMBER

UT2000-02549

SURFACE LOCATION DESCRIPTION

SW 1/4 OF NE 1/4 OF SECTION 9 TOWNSHIP 8S RANGE 22E

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface

Location 2019 ft. from (N) Line of quarter section

and 1869 ft. from (E) Line of quarter section

43-047-15083

TYPE OF AUTHORIZATION

- ☐ Individual Permit
☐ Area Permit
☒ Rule

Number of Wells 1

WELL ACTIVITY

- ☐ CLASS I
☒ CLASS II
☐ Brine Disposal
☒ Enhanced Recovery
☐ Hydrocarbon Storage
☐ CLASS III

Lease Name White River Unit

Well Number #19-9

CASING AND TUBING RECORD AFTER PLUGGING

SIZE	WT(LB/FT)	TO BE PUT IN WELL(FT)	TO BE LEFT IN WELL(FT)	HOLE SIZE
8 5/8"	24 #/ft	0	192 feet	11 1/4"
5 1/2"	15.5 #/ft	0	5728 feet	7 7/8"

METHOD OF EMPLACEMENT OF CEMENT PLUGS

- ☒ The Balance Method -- for plug #4 back to surface
☒ The Dump Bailer Method -- for cement caps on CICR
☐ The Two-Plug Method
☒ Other -- squeeze under CICR for plugs #1, #2, and #3

CEMENTING TO PLUG AND ABANDON DATA:

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	5 1/2"	5 1/2"	5 1/2"	5 1/2"			
Depth to Bottom of Tubing or Drill Pipe (ft.)	~5400'	~3560'	~2800'	~250'			
Sacks of Cement To Be Used (each plug)	~50 sxs	~50 sxs	~50 sxs	~50 sxs			
Slurry Volume To Be Pumped (cu. ft.)	~58'	~58'	~58'	~58'			
Calculated Top of Plug (ft.)	~5390'	~3550'	~2790'	0'			
Measured Top of Plug (if tagged ft.)							
Slurry Wt. (Lb./Gal.)							
Type Cement or Other Material (Class III)	Reg cement	Reg cement	Reg cement	Reg cement			

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)

From	To	From	To
5477'	5479'		
5624'	5650'		
5678'	5683'		

Estimated Cost to Plug Wells

\$26,000

Accepted by the
Utah Division of
Oil, Gas and Mining**FOR RECORD ONLY****FOR RECORD ONLY**

CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

NAME AND OFFICIAL TITLE (Please type or print)

J.T. Conley / District Manager

SIGNATURE

DATE SIGNED

12-06-00

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUBMIT IN TRIPLICATE- Other Instructions on reverse side

1. Type of Well: <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other INJECTION		5. Lease Serial No. U-0971
2. Name of Operator SHENANDOAH ENERGY INC CONTACT: J.T. CONLEY DIVISION MANAGER EMAIL: jconley@shenandoahenergy.com		6. If Indian, Allottee or Tribe Name
3a. Address 11002 EAST 17500 SOUTH VERNAL, UT 84078	3b. Phone No. (include area code) TEL: 435.781.4300 EXT: 301 FAX: 435.781.4329	7. If Unit or CA Agreement, Name and No. 891003509D
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 9 T8S R22E SWNE 2019FNL 1869FEL		8. Lease Name and Well No. WHITE RIVER UNIT 19-9
		9. API Well No. 4304715083
		10. Field and Pool, or Exploratory WHITE RIVER
		11. County or Parish, State UINTAH, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/>
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleting horizontally, give the subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of involved operations. If the operation results in multiple completion or recompleting in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

We intend to plug and abandon this injection well as follows:

1. POOH w/ inj tubing and packer.
2. Set CICR @ ~5400' and squeeze perfs with 50 sxs cement. Drop cap on CICR.
3. Perforate the Mahogany Shale top at ~3560' and squeeze under a CICR w/ 50 sxs. Drop cap on CICR.
4. Perforate the Green River top at ~2803' and squeeze under a CICR w/ 50 sxs. Drop cap on CICR.
5. Perforate below the surface casing shoe at ~250' and circulate cement up the 5 1/2" x 8 5/8" annulus. Fill 5 1/2" casing w/ cement back to surface.
6. Cutoff wellhead and install dry hole marker.
7. Rehab location per BLM guidelines.

RECEIVED

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

DEC 11 2000

DIVISION OF

OIL, GAS AND MINING

Name (Printed/Typed) J.T. Conley	Title District Manager
Signature <i>J. Conley</i>	Date 12-06-00

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

ELECTRONIC SUBMISSION #2120 VERIFIED BY THE BLM WELL INFORMATION SYSTEM FOR SHENANDOAH ENERGY INC SENT TO THE VERNAL FIELD OFFICE

SHENANDOAH ENERGY INC.
Western District

11002 East 17500 North
Vernal, UT 84078
(435) 781-4300 Phone
(435) 781-4329 FAX

FAX TO: EARLENE RUSSEN
801-359-3940

FROM: JTC

Pages Including Cover: 2

RE: WHITE RIVER UNIT # 19-9

P&A WEIBERG SCHEMATIC YOU REQUESTED

J.T. CONLEY
435-781-4301

[illegible]

Form 3160-5
(August 1999)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000*Duplicate*

SUBMIT IN TRIPLICATE- Other Instructions on reverse side		5. Lease Serial No. U-0971
1. Type of Well: <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other INJECTION		6. If Indian, Allottee or Tribe Name
2. Name of Operator SHENANDOAH ENERGY INC CONTACT: J.T. CONLEY DIVISION MANAGER EMAIL: jconley@shenandoahenergy.com		7. If Unit or CA Agreement, Name and No. 891003509D
3a. Address 11002 EAST 17500 SOUTH VERNAL, UT 84078	3b. Phone No. (include area code) TEL: 435.781.4300 EXT: 301 FAX: 435.781.4329	8. Lease Name and Well No. WHITE RIVER UNIT 19-9
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 9 T8S R22E SWNE 2019FNL 1869FEL		9. API Well No. 4304715083
		10. Field and Pool, or Exploratory WHITE RIVER
		11. County or Parish, State UINTAH, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/>
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give the subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of involved operations. If the operation results in multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

We intend to plug and abandon this injection well as follows:

1. POOH w/ inj tubing and packer.
2. Set CIRC @ ~5400' and squeeze perfs with 50 sxs cement. Drop cap on CIRC.
3. Perforate the Mahogany Shale top at ~3560' and squeeze under a CIRC w/ 50 sxs. Drop cap on CIRC.
4. Perforate the Green River top at ~2803' and squeeze under a CIRC w/ 50 sxs. Drop cap on CIRC.
5. Perforate below the surface casing shoe at ~250' and circulate cement up the 5 1/2" x 8 5/8" annulus. Fill 5 1/2" casing w/ cement back to surface.
6. Cutoff wellhead and install dry hole marker.
7. Rehab location per BLM guidelines.

Name (Printed/Typed) J.T. Conley	Title District Manager
Signature <i>J. Conley</i>	Date 12-06-00

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

ELECTRONIC SUBMISSION #2120 VERIFIED BY THE BLM WELL INFORMATION SYSTEM FOR SHENANDOAH ENERGY INC SENT TO THE VERNAL FIELD OFFICE

API Well No: 43-047-15083-00-00

Permit No: UIC-041

Well Name/No: WHITE RIVER U 19-9

Company Name: SHENANDOAH ENERGY INC

Location: Sec: 9 T: 8S R: 22E Spot: SWNE

Coordinates: X: 4444126 Y: 632763

Field Name: WHITE RIVER

County Name: UINTAH

String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)
HOL1	192	13.75		
SURF	192	8.625	24	192
HOL2	5728	7.875		
PROD	5728	5.5	15.5	5728
T1	5587	2.875		
PKR	5587			

Hole: 13.75 in. @ 192 ft.

Surface: 8.625 in. @ 192 ft.

Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
PROD	5728		PC	325
SURF	192	0	UK	165

Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
5630	5650			
5614	5650			

Formation Information

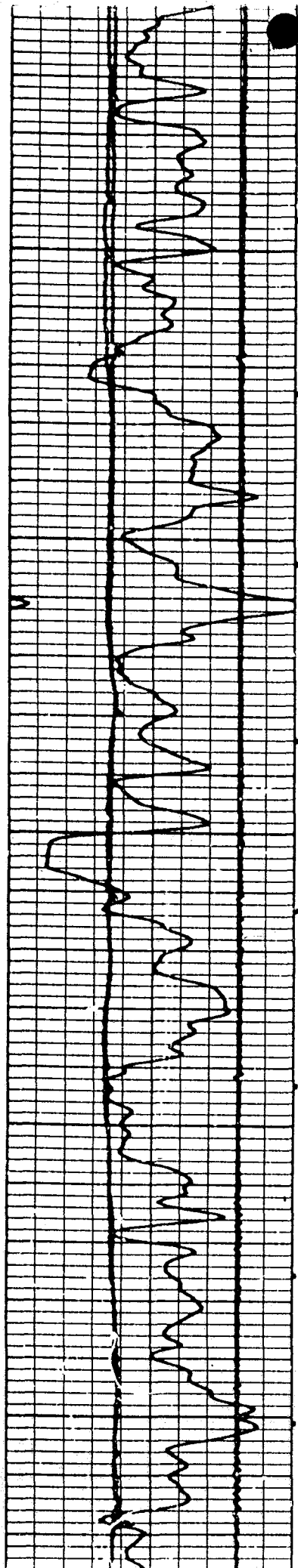
Formation	Depth	Formation	Depth
GRRV	2400		

Tubing: 2.875 in. @ 5587 ft.

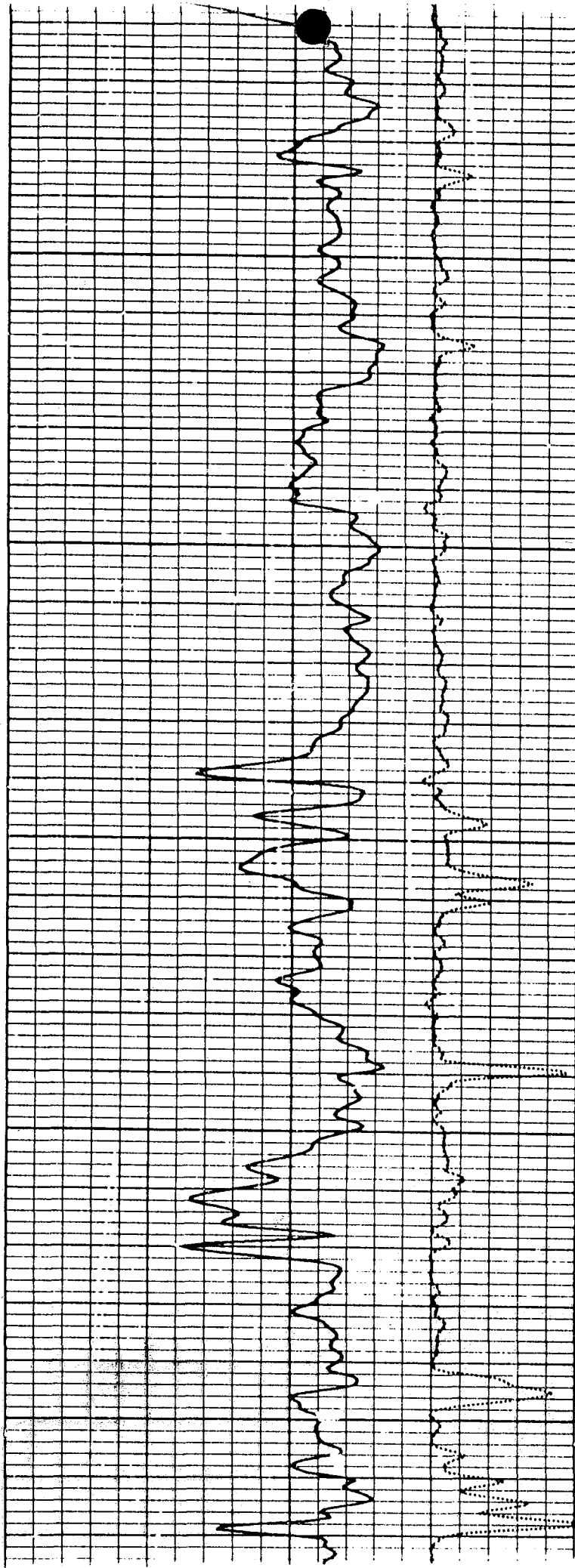
Packer: @ 5587 ft.

Production: 5.5 in. @ 5728 ft.

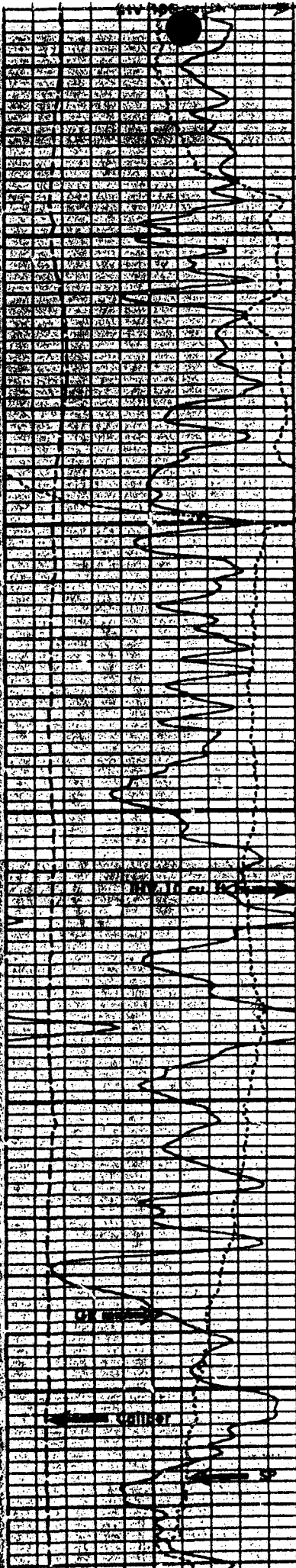
TD: 5728 TVD:



04800



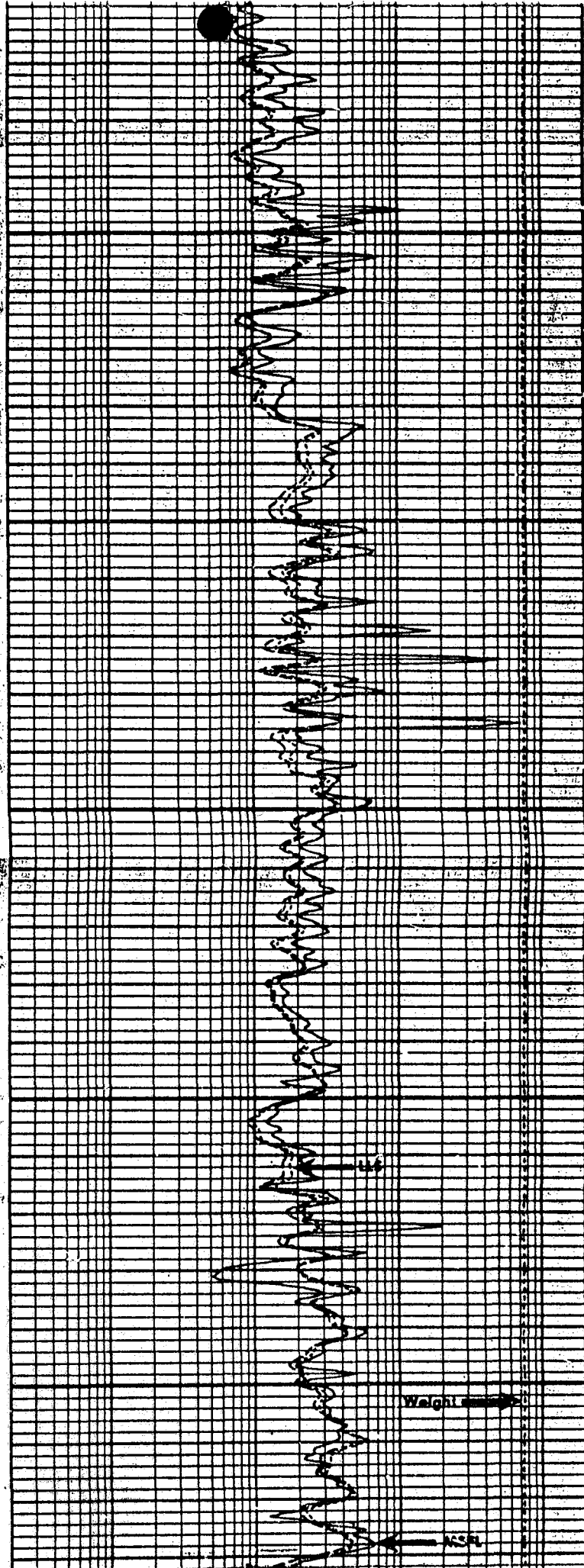
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4800

3

4900



Weight

ASFL

8-19-92

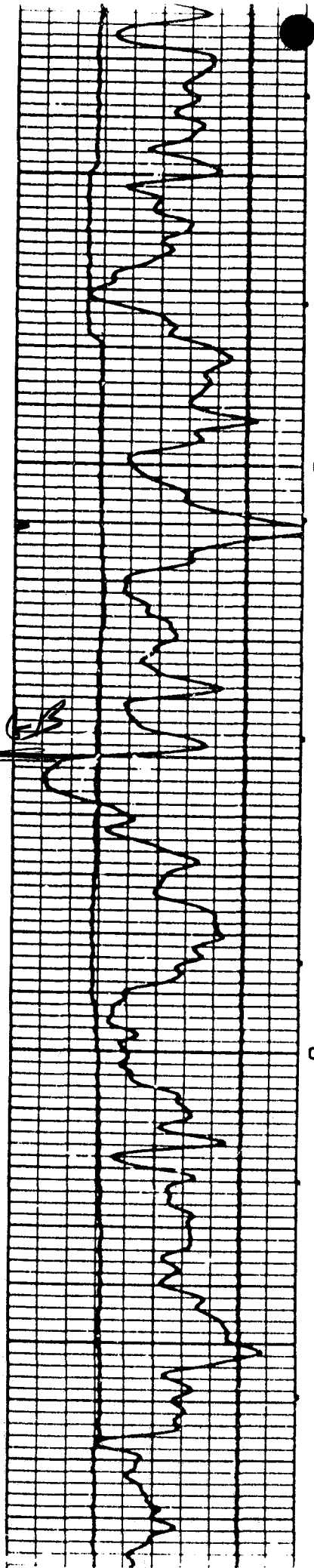
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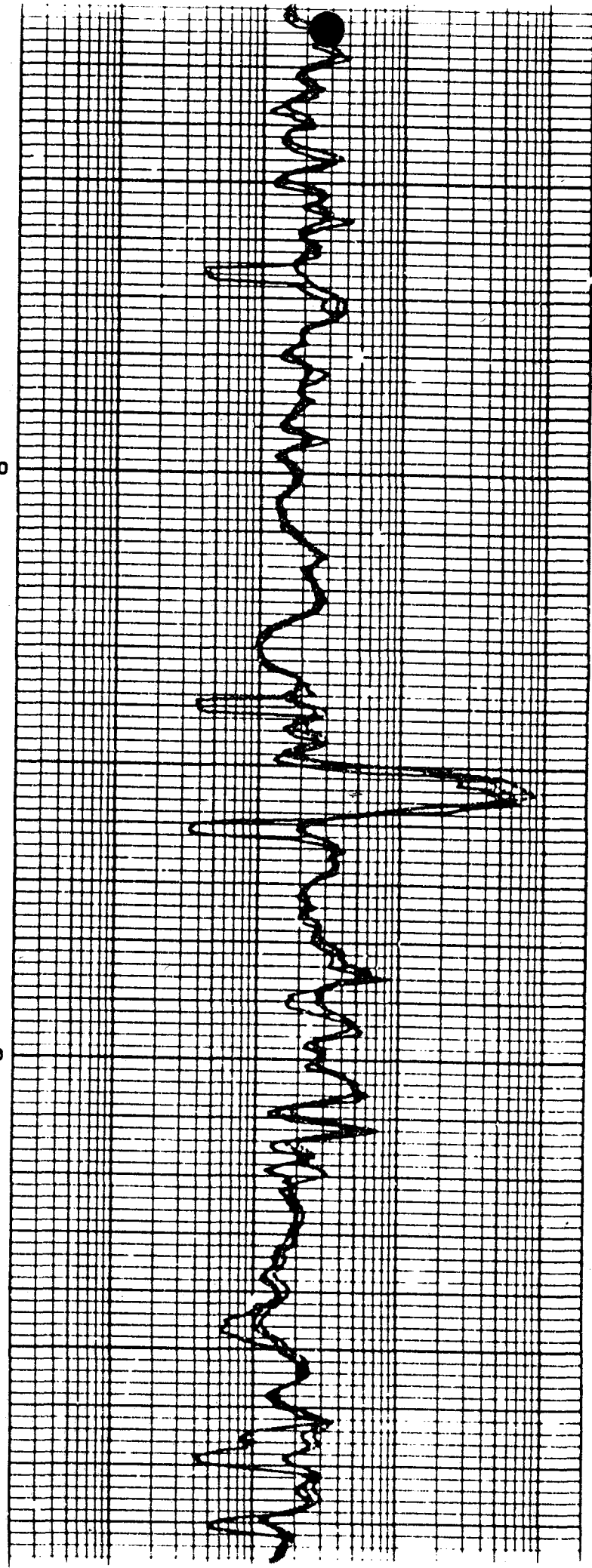
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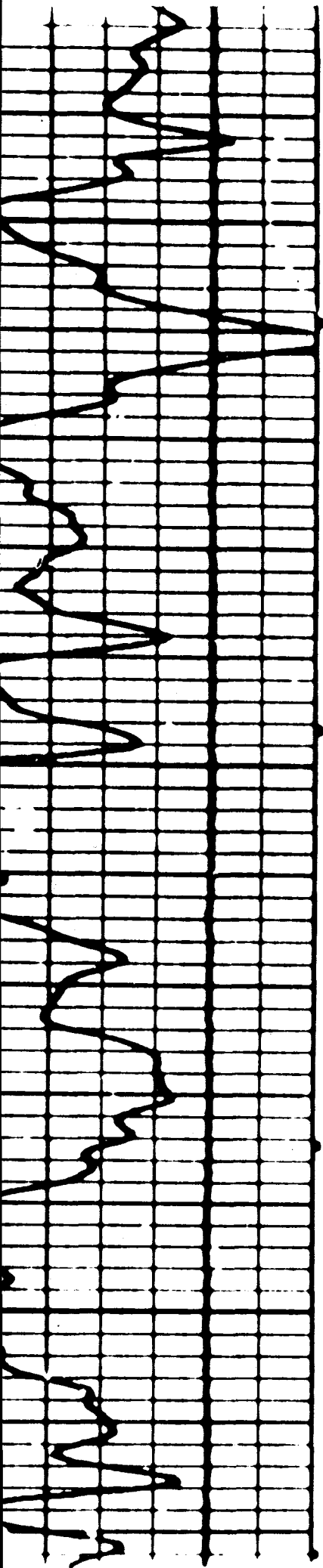
2-2-20



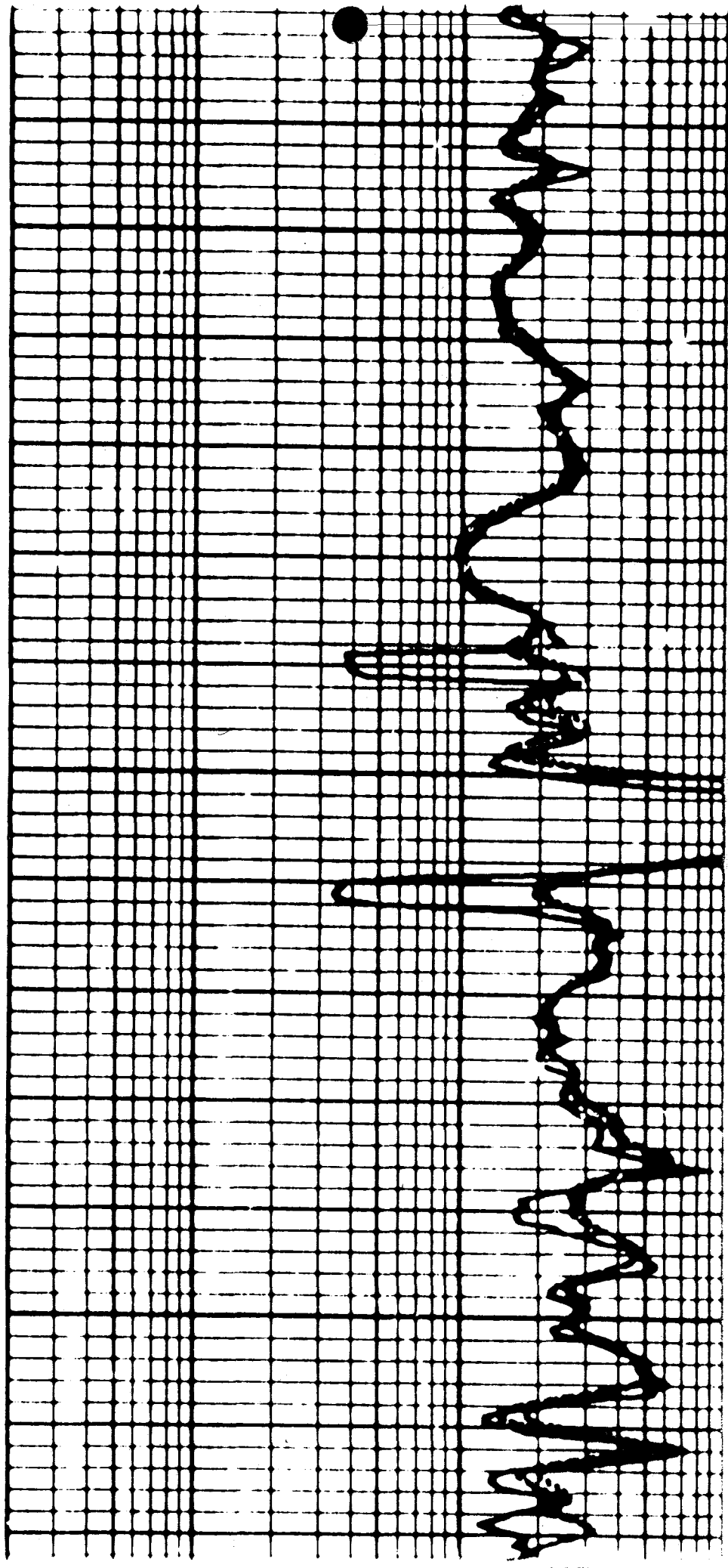
04800

04900





04800



04900

SHENANDOAH ENERGY INC.

11002 East 17500 South
Vernal, Utah 80478
(435) 781-4300
Fax (435) 781-4329

November 26, 2001

Mr. Al Craver
UIC Program
United States Environmental Protection Agency
Region VIII
999 18th STREET - SUITE 300
DENVER, CO 80202-2466
8ENF-T

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RE: White River Unit #19-9 Well Abandonment
Form 7520-13 Plugging Record

Dear Mr. Craver:

Please find attached Form 7520-13 for the reference well. This well was plug & abandoned effective 11/14/2001 per BLM guidelines

White River Unit
Uintah County, Utah
White River Unit #19-9
EPA ID# UT-02401

If you have questions or need additional information, please contact me at 435-781-4301.

Sincerely,



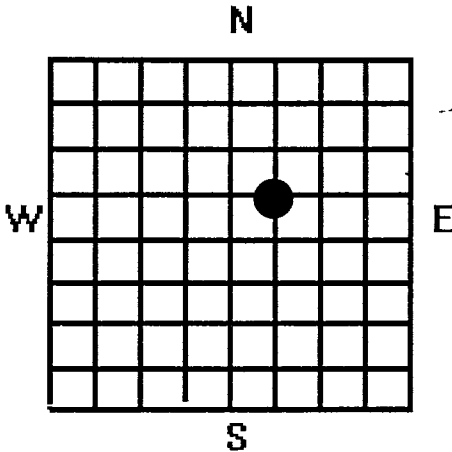
J. T. Conley
District Manager

cc Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, UT 84114-5801
Attn. Mr. Gil Hunt

U.S Department of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078

**EPA**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460**PLUGGING RECORD**NAME AND ADDRESS OF PERMITTEE
Shenandoah Energy Inc.
11002 East 17500 South
Vernal, UT 84078NAME AND ADDRESS OF CEMENTING COMPANY
Haliburton Services
1092 East Main
Vernal, UT 84078LOCATE WELL AND OUTLINE UNIT ON
SECTION PLAT -- 640 ACRESSTATE
UtahCOUNTY
UintahPERMIT NUMBER
UT2000-02549

SURFACE LOCATION DESCRIPTION

SW 1/4 OF NE 1/4 of 1/4 SECTION 9 TOWNSHIP 8S RANGE 22ELOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT
Surface Location 2019' ft. from (N/S) N Line of quarter section
and 1869' ft. from (E/W) E Line of quarter section

TYPE OF AUTHORIZATION

- ☐
- Individual Permit
-
- ☐
- Area Permit
-
- ☒
- Rule

Number of Wells 1Lease Name
White River Unit #19-9

Describe in detail the manner in which the fluid was placed and the method used in introducing it into the hole.

Plugs #1 and #2 are balanced cement plugs. Plugs #3 was perfered and squeezed under a CICR with a cement cap dropped on the CICR. Plug #4 was squeezed and circulated to surface up the surf casing-production casing annulus.

CASING AND TUBING RECORD AFTER PLUGGING

SIZE	WT(LB/FT)	TO BE PUT IN WELL(FT)	TO BE LEFT IN ELL(FT)	HOLE SIZE
8 5/8"	24	0	192'	12 1/4"
4 1/2"	10 1/2	0	2011'	7 7/8"
5 1/2"	15 1/2	0	5728'	7 7/8"

WELL ACTIVITY METHOD OF EMPLACEMENT OF CEMENT PLUGS

- | | |
|---|--|
| <input type="checkbox"/> CLASS I | <input checked="" type="checkbox"/> The Balance Method |
| <input checked="" type="checkbox"/> CLASS II | <input type="checkbox"/> The Dump Bailer Method |
| <input type="checkbox"/> Brine Disposal | <input type="checkbox"/> The Two-Plug Method |
| <input checked="" type="checkbox"/> Enhanced Recovery | <input checked="" type="checkbox"/> Other - squeeze |
| <input type="checkbox"/> Hydrocarbon Storage | |
| <input type="checkbox"/> CLASS III | |

CEMENTING TO PLUG AND ABANDON DATA:

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	5 1/2"	5 1/2"	4 1/2"-5 1/2"	4 1/2"-5 1/2"			
Depth to Bottom of Tubing or Drill Pipe (ft.)	5613'	4313'	2910'	245'			
Sacks of Cement To Be Used (each plug)	20	25	246	59			
Slurry Volume To Be Pumped (cu. ft.)	24	30	295	71			
Calculated Top of Plug (ft.)	5463'	4113'	1875'	0'			
Measured Top of Plug (if tagged ft.)				0'			
Slurry Wt. (Lb./Gal.)	15.8	15.8	15.8	15.8			
Type Cement or Other Material (Class III)	Class A	Class A	Class A	Class A			

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS

From	To	From	To
245'	245' squeeze perfs		
2910'	2910' squeeze perfs		
5477'	5479'		
5624'	5650'		
5678'	5683'		

Signature of Cementer or Authorized Representative

Signature of EPA Representative

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of that person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (REF. 40 CFR 122.22)

NAME AND OFFICIAL TITLE (Please type or print)
J.T. Conley, District Manager

SIGNATURE

DATE SIGNED
11/26/2001

Form 3160-5
(June 1993)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Gas
☐ Well ☐ Well ☒ Other INJECTION

2. Name of Operator

SHENANDOAH ENERGY INC.

3. Address and Telephone No.

11002 E. 17500 S. VERNAL, UT 84078-8526

Contact: jpennell@shenandoahenergy.com

435-828-3038 Fax 435-828-5044

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2019' FNL, 1869' FEL SWNE, SEC 9 T8S, T8S R22E

5. Lease Designation and Serial No.

U-0971

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

WHITE RIVER UNIT

8. Well Name and No.

WHITE RIVER UNIT 19-9

9. API Well No.

4304715083

10. Field and Pool, or Exploratory Area

WHITE RIVER

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

1. MIRU Service Unit. NDWH. NU BOPS.
2. POOH w/ seal assembly to perm packer & 2 7/8" tubing. Set blanking plug in F-1 packer @ 5613', sting out & spot 150' Class 'A' cement on top. Spot 25 sxs balanced plug f/ 4313' to 4113'. Perforate @ 2910' w/ 4 spf. Set 4 1/2" cement retainer @ 1945'. Squeeze cement through perfs to cover interval 2910' - 1945'. Sting out and pump 70' cement on top of retainer. Perforate @ 245' w/ 4 spf. Establish circulation down 4 1/2" & up 8 5/8". Cement to surface w/ 59 sxs Class 'A' & 2% CaCl2.
3. Cut off WH 3' below GL.
4. Cut off 5 1/2" & 4 1/2" csg. Cmt had dropped about 7'.
5. Bill Owens, BLM, approved filling w/ sack concrete, weld on plate & backfill. 11-14-01

3- BLM, 2- Utah OG&M, 1 - Denver, 1 - file Word file-server

All procedures witnessed by Bill Owens, BLM, Vernal, Utah.

All procedure changes verbally approved by Ed Foresman, BLM, Vernal, Utah.

RECEIVED

JAN 11 2002

DIVISION OF
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct.

Signed

Title

Completion Manager

Date

12/17/01

(This space for Federal or State office use)

Approved by:

Title

Date

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONFIDENTIAL

FIELD: White River Unit		GL: 5011 ' KBE: 5023 '	Start Date: 10/30/2001 Finish Date: 11/14/2001																																																																				
WELL NAME: WRU #19-9		TD: 5737 ' PBTD: 5673 '	Current Well Status: SI Injection Well																																																																				
Location: SW¼NE¼ S9-T8S-R22E Utah County, Utah		API# 43-047-15083 EPA ID# UT2000-02549	Reason for Pull/Workover: P&A this SI injection well																																																																				
<div>Wellbore Schematic</div> <div><div><div><div>Surface casing Size 8 5/8" Weight 24# Grade J-55 Cmtd w/ 165 sxs</div><div>Set @ 192'</div><div>Top plug on CICR @ 1875' 4½" Flush Joint liner, surf - 2011'</div><div>Spot Plug @ 4313'</div><div>DV Tool @ 4487'</div><div>Plug top Est @ 5463' (Previously Squeezed) Perfs @ 5477'-79'</div><div>Blanking Plug</div><div>Production casing Size 5½" & 4 1/2" Weight 15½# Grade J-55 Cmtd w/ 225 sxs</div><div>Set @ 5728'</div></div><div><div>59 sxs</div><div>245' Squeeze Perfs</div><div>6 sxs CICR</div><div>CICR @ 1945'</div><div>240 sxs</div><div>2910' Squeeze Perfs</div><div>TOC @ 3940 '</div><div>25 sxs</div><div>20 sxs</div><div>Baker F-1 Pkr @ 5613 ' 5624'-5650'</div><div>PBTD @ 5673 ' CIBP @ 5673 ' 5678'-5683'</div><div>TD @ 5737 '</div></div></div></div> <div>Tubing Landing Detail:</div> <table><thead><tr><th>Description</th><th>Size</th><th>Footage</th><th>Depth</th></tr></thead><tbody><tr><td>KB to Tbg Head</td><td></td><td>12.00</td><td>12.00</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td>EOT</td><td></td><td></td><td></td></tr></tbody></table> <div>Tubing Information</div> <div>Condition: New: ___ Used: ___ Rerun: ___</div> <div>Grade: _____</div> <div>Weight (#/ft): _____</div> <div>Rod Information</div> <div>Condition: New: ___ RERUN ___</div> <div>Grade: _____</div> <div>Manufacturer: _____</div> <div>Pump Information:</div> <div>API Designation _____</div> <div>Example:</div> <div>Pump SN#: _____ Original Run Date: _____</div> <div>Rerun: _____ New Run: _____ Rebuild: _____</div> <div>ESP Well Flowing Well</div> <div>Cable Size: _____ "R" N!PPLE _____</div> <div>Pump Intake @ _____ PKR @ _____</div> <div>End of Pump @ _____ EOT @ _____</div> <div>Wellhead Detail:</div> <div>7 1/16" 2000# _____</div> <div>7 1/16" 3000# _____</div> <div>7 1/16" 5000# _____</div> <div>Other: _____</div> <div>Tbg Hanger Type: Donut: ___ Bonnet: ___</div> <div>SUMMARY</div> <div>Plug & Abandon 10/30/2001 – 11/14/2001</div> <div>Unsting from permanent packer roll hole with fresh water. Attempt to RIH w/ 5½" CIBP, stacked out in tbg head. Called prior well owners and confirmed 4½" flush joint liner was run from surface to 2011'. RIH w/ redressed seal assembly w/ blanking plug and On/Off tool. Set blanking plug in permanent packer. Spot 20 sxs plug (150') on top of permanent packer. LD tbg to EOT @ 4313'. Spot 25 sxs plug (200'). LD tbg to EOT @ 3818' and circ casing clean. POOH w/ tbg. Perf squeeze holes 2910'. Set CICR @ 1945'. Sting into CICR and sqz w/ 240 sxs cement, drop 6 sxs (70') on CICR. POOH. Perf squeeze holes at 245'. Est circ up surf casing and circ 59 sxs w/ returns to surface. Cement fell back 8-10'. Cutoff wellhead, long string fill w/ sack concrete and weld on top plate.</div>				Description	Size	Footage	Depth	KB to Tbg Head		12.00	12.00																																																									EOT			
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